

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

FvB

62.71



LIBRARY,
U. S. Department of Agriculture,
Washington, D. C.

FLETCHER & BYRDS

1907 ANNUAL CATALOG

OF

SEEDS, PLANTS, BULBS
POULTRY AND BEE SUPPLIES
SPRAYS AND SPRAY OUTFITS
FERTILIZERS, TOOLS, ETC., ETC.

FLETCHER & BYRD
SALEM, OREGON

FLETCHER & BYRD'S

Complete 1907 Catalogue

INDEX TO CONTENTS

Garden and Flower Seeds are arranged in alphabetical order, starting on page 2.

	Page		Page		Page		Page
Artichoke Tubers	52	Flax Seed	53	Logan Berries	80	Script Letters	63
Australian Salt Bush	52	Florists' Supplies	62, 63	Mastica, Mastica		Seed Cleaners	59
Bamboo Extensions	86	Flowering Plants,		Machines	63	Seed Drills	59-62
Barley	52	Bulbs, Etc.	65-79	Millet	53	Seed Sowers, Broadcast	59
Barrel Carts	87	Flower Pots and Pans. 81		Mole Traps	81	Shears	62, 63
Bee Supplies	87-91	Flower Seed		Moss	63	Sheep Dip	99, 100
Berry Plants, Bushes. 79, 80		Department	33-48	Mouse Traps	81	Shrubs	65, 81
Bird Seed	52	Fly Sprays	100	Mushroom Spawn	19	Sickles	63
Blackberries	80	Formaldehyde	54	Nitro-Culture	32	So-Bos-So Kilfly	99
Bleeding Hearts	73	Fruit Trees and		Nozzles, Connections,		Soja Beans	57
Books	48	Bushes	79, 80	Etc.	86, 87	Speltz	57
Bone Cutters	94, 96	Garden Hose	82	Nursery Stocks	79, 80	Sprays, Spray	
Bone Meal	64	Garden Seed	1-33	Oats	54, 55	Material	82, 83
Bone Mills	94, 96	Garden Tools	58-64	Oil Meal	53	Spray Pumps and	
Brooders	93	Garden Plants	65-81	Onion Sets	21	Sprayers	83-87
Broom Corn	52	Garlic	16	Plant Department	65-81	Spray Hose	82
Buckwheat	52	Gladioli Bulbs	81	Plant Food	64	Stock Foods	99, 100
Bulbs	73-78	Glazing Points	63	Plant Sprinklers	85	Strawberry Plants	79
Burbank's Phenomenal 80		Gopher Gun and Traps 81		Plant Stakes	63	Sugar Cane or Sorghum 57	
Calla Lilies	73	Grape Shears	63	Planet Jr.		Sunflower	57
Canna Bulbs	74	Grass Hooks, Shears	63	Implements	60, 61	Table...Inside back cover	
Caladiums	75	Grass Seeds	49-52	Pencils, Indelible	63	Tares	58
Chenille	63	Grafting Wax	62	Peony Roots	78	Thermometers	63, 97
Cheat Seed	52	Grain Cleaner	59	Plant Setters	58	Tin Foil	63
Chick Feed	98	Hand Carts	87	Pots	81	Tools	58-64
Climbing Vines	73	Hand Sprayers	85, 86	Pot Labels	63	Trees and Bushes. 65-81	
Clover Cutters	96	Hanging Baskets	63, 81	Potatoes	56, 57	Tree Seeds	31
Clover Seeds	49	Herbs	32	Potato Planters	58	Tree Labels	63
Coffee Berry	53	Hose	82	Potash	64	Traps	81
Corn Planters	58	Incubators	91, 92	Poultry Foods	98-101	Trowels	63
Corn Wheat	32	Insecticides 82, 83, 99, 100		Poultry Supplies	91-101	Tweezers	63
Cow Peas	53	Insect Powder	99, 100	Powder Sprayers	85, 96	Vegetable Plants,	
Cultivators	61	Insect Powder		Premiums		Roots	78
Dahlia Bulbs	76, 77	Blowers	85, 96	Inside front cover		Vegetable Seed	
Dandelion Pullers	63	Iris	77	Pruning Tools, Saws	62	Department	1-33
Dewberry	80	Kaffir Corn	53	Pumps	83-87	Vetches	58
Egg Foods	98-101	Knives	62	Putty, Putty Bulbs	63	Weeders	62
Farm and Field Seeds. 52-59		Kow-Kure		Raffia and Reeds	62, 81	Wheat	57
Farm Tools	58-64	Inside back cover		Rape, Dwarf Essex	53	Wild Rice	58
Fanning Mill	59	Labels	63	Rat Traps	81	Wire	63
Fern Balls	71	Lawn Sprinklers	87	Reeds	81	Wire Baskets	63
Ferns, Etc.	71	Lentils	53	Remedies, Etc.	99, 100	Wire Netting	97
Fertilizers	64	Lice Killers	99-101	Roots and Bulbs	73-82		
Fertilizer Drill	59	Lilies	75	Roses	65-69		
Field Peas	53	Lily of the Valley	73	Rye	57		

SPECIAL RATES ON SEEDS IN PACKETS OR OUNCES

This offer is by mail, postage paid by us, to any postoffice in the United States.

25c WORTH OF SEEDS FREE

with every \$1.00 sent for Seeds in packets and ounces. Remember, in packets and ounces only. \$1.25 for \$1.00, \$2.50 for \$2.00, and so on.

This discount does not apply on quantities over one ounce.

Maurer's Improved Gopher Gun

PERFECTLY SAFE AND RELIABLE

(Cut shows gun with trigger set.)



We beg to call the attention of farmers and gardeners, generally, to Maurer's Latest Improved Gopher Gun. All parts are made of metal, and it is not only the strongest, but also as reliable as any other on the market. It is supplied with a large steel wire spring and the working parts are all brazed. After placing in the ground, the gun is set with one hand and there is then no possibility of an injurious explosion. Regular 16-gauge shot-gun shells are used in this gun.

Price, \$2.00.

FLETCHER & BYRD'S

1907

DESCRIPTIVE AND PRICED

COMPLETE CATALOG

To Our Friends and Patrons:

We take pleasure in presenting you with this, our 1907 Annual Catalog. We have carefully revised this edition, adding such new goods of merit as we believe will be appreciated by our customers. Please remember that it is the policy of this company to offer not only the choicest seeds, but also the best goods in our different lines that can be procured in this or any other country. Our lines of Seeds, Bee and Poultry Supplies, Spray Pumps, Nursery Stocks, etc., cannot be equaled west of the Rockies.

Our catalog this year has been carefully rewritten and contains information which we are sure will be of value to you. We trust you will give it a careful reading and again favor us with your valued orders.

Thanking you most sincerely for past favors, and wishing you a Happy and Prosperous New Year, we are, yours truly,

FLETCHER & BYRD.

For your Guidance—Read Carefully

HOW TO SEND MONEY. Remittances should be made by Postoffice or Express Money Order, Bank Draft or Registered Letter. Postage Stamps will be received for small amounts. Remittances in any other way are entirely at sender's risk.

HOW TO ORDER. Please use the order sheets found in the front part of every Catalog, carefully filling out the blank spaces at the top for shipping directions.

BE SURE TO SIGN YOUR NAME, and give Postoffice and State, and to avoid mistakes, do not write letters on the same sheet as orders.

SEEDS POSTPAID BY MAIL. We send all vegetables and flower seeds in quantities of one pound or less by mail, postpaid, to any Postoffice in the United States, at the prices named in this Catalog, unless otherwise stated.

BY FREIGHT OR EXPRESS. In ordering vegetables or flower seeds to be sent by freight or express at your expense, deduct 10c per pound from single pound prices, where postage has been added.

PREPAY STATIONS. When you send in orders to go by freight or express, be sure that you add money enough to pay freight charges if your station is a prepay, which is always the case where there is no regular agent.

We use every precaution in procuring fresh, pure and reliable seeds, etc., but we, in common with other responsible seed houses sell our goods subject to the following disclaimer, it being that adopted by the American Seed Trade Association; i. e., We give no warranty, express or implied as to description, quality, productiveness or any other matter of any seeds, bulbs or plants sent out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.—F. & B.

WHEN TO ORDER. New goods are all in, and we are prepared to fill orders as soon as this Catalog reaches you. Send in your combined orders for seeds, plants, supplies, etc., at once, and if you do not want all sent now we will send part now and the balance later. The advantage of this is that your order is entered and filled, or stock reserved for it; and when you do want it, it can be sent upon notice without delay. If you want part or all of your order held, state it distinctly with date when shipment is to be made. All orders for potatoes, plants, and other perishable goods are carefully booked on receipt, and filled in rotation as soon as weather permits. If shipped early, they are at buyer's risk.

LARGE ORDERS. Any dealer, market gardener, institution or individual wishing seed in larger quantities, is requested to mail us a list of what is wanted, and we will promptly return it, with the very lowest market prices. A letter of inquiry may save you dollars if you want to buy in quantity.

COMPLAINTS OR PRAISES. If you are well pleased with our goods, and manner of doing business, tell everyone. If you are not, tell us, so we can please you. Our best efforts will be put forth in filling all orders carefully, and with the additional room and facilities we hope to get along the coming season without an error of any kind. Let us have your orders early, and we promise to please you.

VEGETABLE SEED DEPARTMENT

Asparagus

Asparagus is one of the earliest spring vegetables, and would be in universal use were it not for the mistaken idea that it is difficult to grow. In reality it can be produced very easily and cheaply. A bed 15x50 feet, requiring about 100 plants, should give an abundant supply for an ordinary family.

CULTURE—Soak the seeds 24 hours in warm water, and sow early in drills one foot apart. An ounce of seed will sow about 30 feet of drill. Keep the soil mellow and free from weeds. After one year's growth, transplant into permanent beds. A warm, sandy soil is the best, and one which has for some years been cultivated in garden crops and heavily manured is greatly to be preferred to a fresh soil. But at no period of its growth should the asparagus crop be allowed to lack for manuring. From one to three years' time can be saved by buying roots of us. For roots, see page 78. 7260 roots will plant an acre.

CONNOVER'S COLOSSAL.

A large and rapid grower of excellent quality.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

COLUMBIAN MAMMOTH WHITE.

A newer, distinct, and valuable variety. The stalks are white, of the largest size; very productive and early.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.

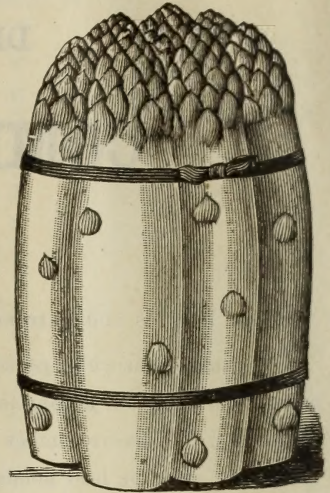
PALMETTO.

This is claimed to be an earlier, better yielder and more even grower than Colossal.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 65c.

ASPARAGUS CULTURE.

We have several good books on this subject. See Book List, p. 48.



ASPARAGUS.
(Cut and bunched.)

Artichoke

LARGE GREEN GLOBE.

The variety used as a table vegetable. The edible portion is the thick end of the leaf of the flower head. Sow early in drills one foot apart, and when about 10 inches high transplant into rows four feet apart each way. It will produce only a small crop the first year, but will continue in good bearing five years. Cut before the bud opens.

Pkt., 5c.; oz., 35c.

ARTICHOKE TUBERS.

For prices and description of this valuable feed root, see Farm and Field Seeds, page 53.



DAVIS WAX.

Beans

Dwarf or Bush

CULTURE—The soil best adapted for growing Beans is a light, rich, well-drained loam, which was well manured for the previous crop. If the ground is too freshly manured, the plants are apt to run to vines and set few blossoms. Plant in drills about two inches deep and from 18 inches to two feet apart, as soon as the ground is dry enough. Beans are very sensitive to cold and wet before they have sprouted, but are not so liable to be damaged after they are above ground.

Wax or Yellow Podded Kinds

When ordering Beans by mail, add 10c per pound for postage.

Davis Wax

A handsome, white-seeded, wax variety, which is becoming more popular each year.

It is a rustless and immensely productive bush variety. The pods are long, nearly straight, white and handsome, and are carried well up from off the ground.

It is one of the best for market gardeners because of its hardiness, productiveness, handsome appearance, good shipping and selling qualities and the small proportion of waste and second quality pods. Cannerymen say: "It is just what we want, a long, straight, clear white pod, which does not discolor in canning."

The dried bean is kidney-shaped, clear white, and a favorite for baking and canning.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.50.

Gardeners who buy Beans in large quantities should write for special prices.

Wax Beans—Continued

Wardwell's Kidney Wax

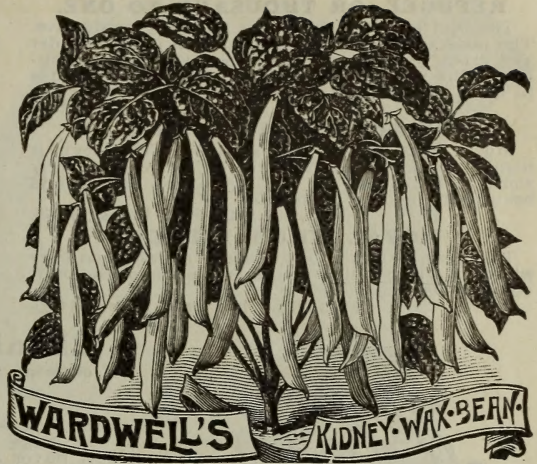
A robust, hardy variety, yielding a heavy crop of large, unusually handsome, wax-like pods. Vines are of medium size, with long, flat pods of a delicate, waxy yellow, very brittle and entirely stringless. We recommend this bean highly. Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

Extra Early Challenge Black Wax

Extremely early, about a week in advance of any other wax variety, and considered one of the most desirable for first crop.

Market gardeners and others to whom earliness is a matter of prime importance, cannot afford to be without this, which is truly the "earliest of all" wax beans.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.



GET WISE.

Read the valuable books we list on page 48.

Golden Wax

Has for many years been the best bean for general use in cultivation, and even now it is a competitor with the newer sorts for first place. Vines medium size, erect, moderately spreading. Very hardy and productive, with small, smooth leaves and small, white blossoms.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

DETROIT WAX (Rust Proof).

One of the best for shipping long distances.

Excelling in some respects any other wax variety. Is not likely to rust, even when exposed to very wet weather. Pods flat, good length and very broad. Its quality of keeping fresh and crisp a long time after being picked, makes it valuable for shipping long distances. It is extra early; quality in the pod all that can be desired, and also excellent green shelled.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

Dwarf Bush—Green Podded Kinds

If ordering Beans by mail, add 10c per pound for postage.

NEW STRINGLESS.

One of the best stringless, green pod bush beans in cultivation; surpasses all others in crispness, tenderness and flavor.

The finely shaped, long green pods are absolutely stringless, and are ready to market two weeks earlier than any other green podded bean. The Stringless Green Pod will supply a long-felt want. It is of immense value, not only to the market gardener, but also for those who seek early beans of a rare quality for the home table.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

Extra Early Red Valentine

IMPROVED ROUND POD.

Is of healthy, vigorous growth, and has no superior in any respect among the green podded beans. The pods are round, very fleshy, tender, rich and quite stringless. The bean is rather small, and when ripe usually irregular in form and red in color. Considered a very fine bean for canning green.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

EXTRA EARLY REFUGEE.

Said to be the earliest green-podded variety; fit for the table two weeks in advance of the old Refugee, and retaining all the good qualities of that standard sort.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

EARLY LONG YELLOW SIX WEEKS.

Hardy standard variety; pods six inches long and one-half inch wide; light green in color; vine vigorous and productive.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

FROM EAST AND WEST

Portland Seed Co.

Dear Sirs: Kindly send me a catalogue of your seeds and price list. I received seeds from you last year which my daughter in Washington had ordered from you and which have done so exceedingly well, that I would like to try them again.

MRS. MARIE SORGATZ.

Concordia, Kansas.

Manette, Wash.

Gentlemen: We have real pleasant things to say of all your seeds, pieplant, currant bushes and berry plants. They all lived and have done well. Respectfully,
October 15, 1906.

R. W. HATCH.

NEW STRINGLESS

Bush Beans, Green Podded—Continued

REFUGEE, OR THOUSAND TO ONE.

The best late kind for snaps and very productive. The pods are dark green, veined with purple, tender and crisp, and considered the best variety for pickling. The bean is rather small, oblong, dark purple to black, mottled with light yellowish brown.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.10.

DWARF HORTICULTURAL.

Stock erect, strong and shrubby. The bean is highly prized, green shelled, being preferred by some to the Lima. It is rather large, plump, and beautifully mottled yellow and red.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

ROYAL WHITE KIDNEY.

This bean is large, long, slightly curved, and pure white. It yields a heavy crop and is one of the best, either green shelled or dry.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.



KENTUCKY WONDER.

BROAD WINDSOR.

Stock erect, strong and shrubby. The bean is large, broad and flat; it is best green shelled.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

CANADIAN WONDER.

Pods are 10 to 12 inches long and produced in great abundance; fine green shelled.

Pkt., 10c.; lb., 25c.

CASTOR BEAN.

Used for medicinal purposes and by some claimed to keep moles away.

Pkt., 10c.; lb., 25c.

WHITE NAVY.

Grown extensively for marketing dry shelled. This is probably the most popular and best known small white bean. Dwarf in growth and very productive.

Pkt., 10c.; lb., 15c.; 10 lbs., 80c.

Climbing or Pole Beans

If ordering by mail, add 10c. per pound for postage.

Asparagus

This is the true Asparagus Bean. A very prolific sort, producing its long pods in large clusters. The pods, when young, are nearly round, of best flavor and excellent for snaps. A profitable bean for the market gardener. Extensively used for canning.

Pkt., 10c.; lb., 25c.; 10 lbs., \$2.00.

EARLY GOLDEN CLUSTER WAX.

An early and very beautiful sort. Vines strong, vigorous and hardy; pods long, borne in clusters; beans, broad, thick and fleshy; color, bright golden yellow.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

INDIAN CHIEF, OR TALL BLACK WAX.

Remarkable for its fine, tender and succulent pods, which are produced in great abundance.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.60.

KENTUCKY WONDER.

A vigorous, good climber; very prolific; bearing in clusters; extremely long and very fleshy; succulent pods, round, thick and remarkably tender. A first-class pole variety.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

DUTCH CASE KNIFE.

Good corn hill bean; very early; pods long and flat; beans, white; used green or dry.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

WHITE CREASE BACK.

A good, early, green-podded pole bean. Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

SCARLET RUNNER.

A favorite as a snap bean and for its flowers, which are bright scarlet; seeds broad and kidney shaped.

Pkt., 10c.; lb., 30c.

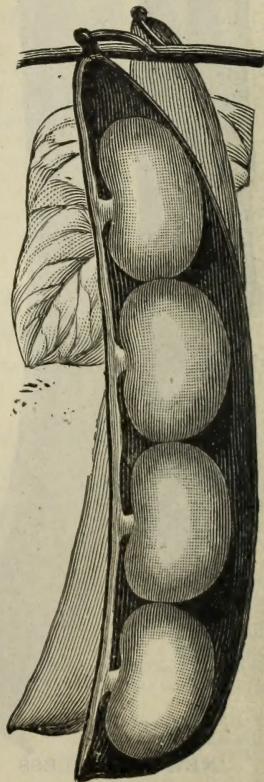
LAZY WIFE.

Pods are from four to five inches in length, produced in large clusters in great abundance. Dark green, thick, fleshy and stringless; of unusually rich flavor. Dry beans pure white; excellent for winter use.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

LONDON HORTICULTURAL.

Very desirable for the family garden. Vines vigorous; pods green, streaked with red. Bean large, oval, cream colored, beautifully splashed with red, and has no superior, green shelled or dry. Pkt., 10c.; lb., 20c.; 10 lbs., \$1.60.



LIMA BEAN.

Lima Beans

HENDERSON'S BUSH LIMA.

A small Lima Bean; early and prolific; desirable for early use.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.60.

BURPEE'S BUSH LIMA.

Beans as large and as fine in quality as the pole varieties. It is also a heavy yielder.

Pkt., 10c.; lb., 25c.; 10 lbs., \$1.75.

LARGE WHITE POLE LIMA.

Vine tall growing; pods long, broad, very thin, dark green; beans large, ovoid, kidney-shaped, greenish-white, flat.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.60.

LARGE PACKAGES

Portland Seed Co., Portland, Oregon.

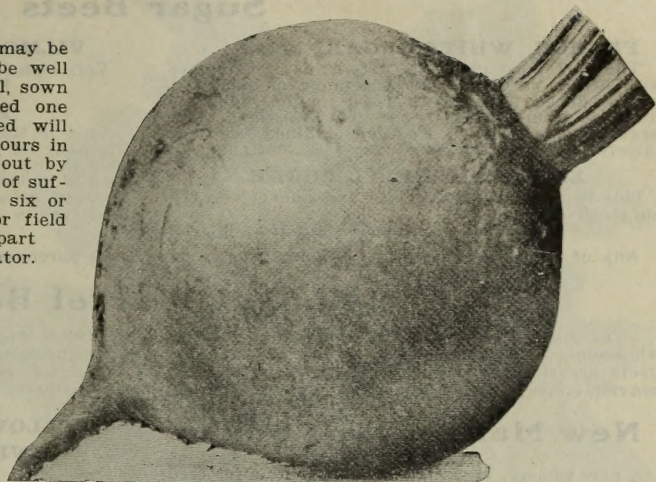
Gentlemen: I received the shipment of seeds from you and am more than pleased with the beautiful seed, the large packets and the liberal amount of packages of samples given me. Yours,

BEN MOW.

Do you want Trees, Shrubs or Roses? We have thousands.

Beets

CULTURE—The Beet is hardy and may be planted as soon as the ground can be well prepared, doing best in rich, sandy soil, sown in rows sixteen inches apart, covered one and one-half inches deep. The seed will sprout better if soaked twenty-four hours in warm water before planting. Thin out by using the largest ones when they are of sufficient size, continuing until they are six or eight inches apart in the rows. For field crop, the rows should be far enough apart to permit the use of a horse cultivator.

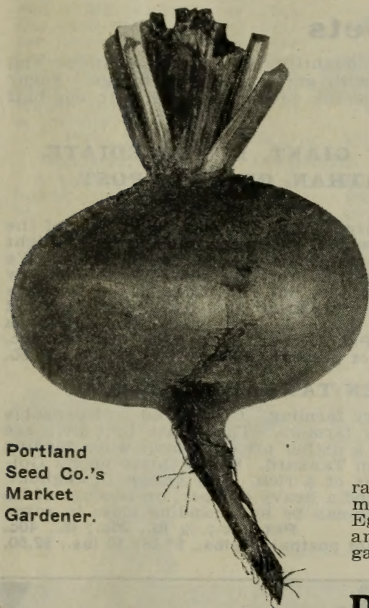


PORTLAND SEED CO'S EARLY ECLIPSE.

Early Eclipse

This variety has become exceedingly popular and is one of the best early sorts. It possesses all the qualities requisite in a first-class beet, and is of an uniform, globular shape. The roots are of a bright, glossy red, fine-grained and delicious, with none of that earthy flavor so objectionable in many varieties.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.



Portland
Seed Co.'s
Market
Gardener.

P. S. Co.'s Market Gardener

This new, extra early Beet is remarkable for its fine quality and rapid growth; it is of deep red color and handsome shape; as an early market sort it is unrivaled. It is to a large extent superseding the Egyptian, being earlier in development, more attractive in appearance and of superior quality for the table. We have never known a market gardener to try it but who wanted it again.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Detroit Dark Red Turnip

A fine beet for bunching for market; tops exceptionally small and uniformly upright. The roots are perfect turnip-shape, with small tap-roots. One of the deepest red beets. Quality is of the very best; sweet and tender; well worthy of a trial.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

Improved Early Blood Turnip

An extra selected stock of blood turnip, having larger, coarser tops and roots than the Detroit Dark Red, and requiring a considerably longer time to mature. Excellent for summer and autumn use.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

Extra Early Egyptian

By many considered the best variety for forcing, and is liked best by many market gardeners for the first early crop, being very early, with small tops. Roots very dark red, rounded on top, but flat beneath, with very small tap roots.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Half Long Blood

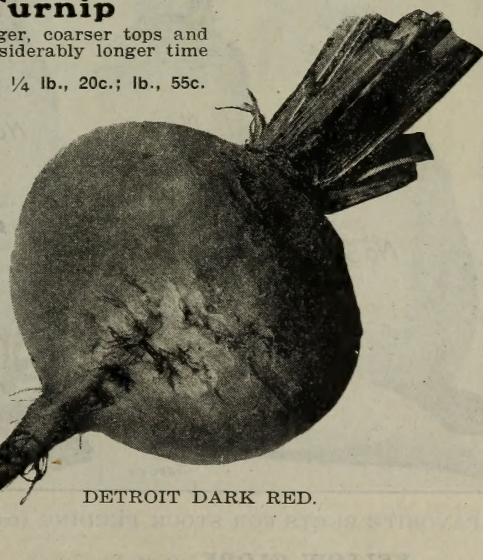
A new variety of excellent quality. One of the very best for winter use; does not become woody and keeps equally as well as the Long Dark Blood. The root is smooth and handsome, and the flesh as brilliant in color and good in quality as the best Blood Turnip varieties. We advise our customers to give it a trial.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Long Smooth Dark Blood

The leading late variety, keeping well all winter. Should be planted in rich, warm soil to secure rapid growth, which makes them tender. Top small, root long and smooth. Flesh deep purple, fine and sweet.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.



DETROIT DARK RED.

Swiss Chard, or Sea Kale Beet

Cultivated exclusively for its leaves and leaf stalk, which are prepared and served similar to asparagus, and are tender and delicious. If cut frequently, the young leaves reappear and make excellent greens, taking the place of spinach.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Sugar Beets

FRENCH WHITE SUGAR. (Cut No. 6.)

The sort most generally grown, as it combines, with heavy yield, a good percentage of sugar. It has produced 30 tons of beets to the acre, and contains from 10 to 13 per cent of sugar. The largest yields known have been obtained from this variety.

Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

LANE'S IMPERIAL SUGAR.

This is an excellent variety and one of the best for stock feeding.

Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

Any of our Sugar Beets in 10-lb. lots at 25c. per pound, purchaser to pay express or freight charges.

VILMORIN'S IMPROVED SUGAR.

Very rich in sugar and does well on new lands.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 40c.

KLEIN WANZLEBEN.

This is the variety which is considered best in Germany for producing sugar, and is now taking the lead in this country for this purpose. Our stock of seed is imported direct from one of the most careful German growers, and should be used where the best results are desired.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 45c.

Mangel Wurzel Beets

These are grown extensively for stock feeding, and afford large quantities of fresh, nutritious and wholesome food for stock during the winter months, in connection with grain and dried forage. Sugar Beets are richer and sweeter than Mangels, but the latter will generally produce one-third to one-half heavier crops per acre, and hence are preferred by many farmers.

New Mangel Half Sugar

(Cut No. 4.)

A new variety, very much more valuable for feeding purposes than the old sorts, it being very much richer. In addition to this, the size and form have been much improved until it yields as much per acre as the best Mangels, and twice as much per acre (bulk of roots) as the rich sugar beet seed. Roots large, very smooth, with few rootlets; creamy white in color, with medium sized top.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 45c.

Not postpaid, lb., 35c.; 5 lbs., \$1.50.

MAMMOTH LONG RED. (Cut No. 2.)

An improvement on the Long Red. It stands head and shoulders above all other varieties of Mangels; unequaled for yielding and feeding qualities. Grows to a very large size, and will yield 50 tons per acre with ordinary good cultivation. If you want a large crop of large Mangels of good quality, don't fail to try this sort. Very uniform, smooth and of good shape. Should be grown in deep, loose soil.

Pkt., 5c.; ¼ lb., 15c.; lb., 40c.

Not postpaid, 5 lbs., \$1.25; 10 lbs., \$2.25.

YELLOW GIANT, INTERMEDIATE, LEVIATHAN, OR GATE POST.

(Cut No. 1.)

Roots very large, growing over one-half out of the ground; flesh white, sweet and tender; tops, bright green, comparatively small; neck small, short. We think perhaps this is the best of the yellow flesh beets, because its fine flesh never becomes woody, and its roots grow so well out of the ground that the crop is easily harvested. An enormous cropper.

Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

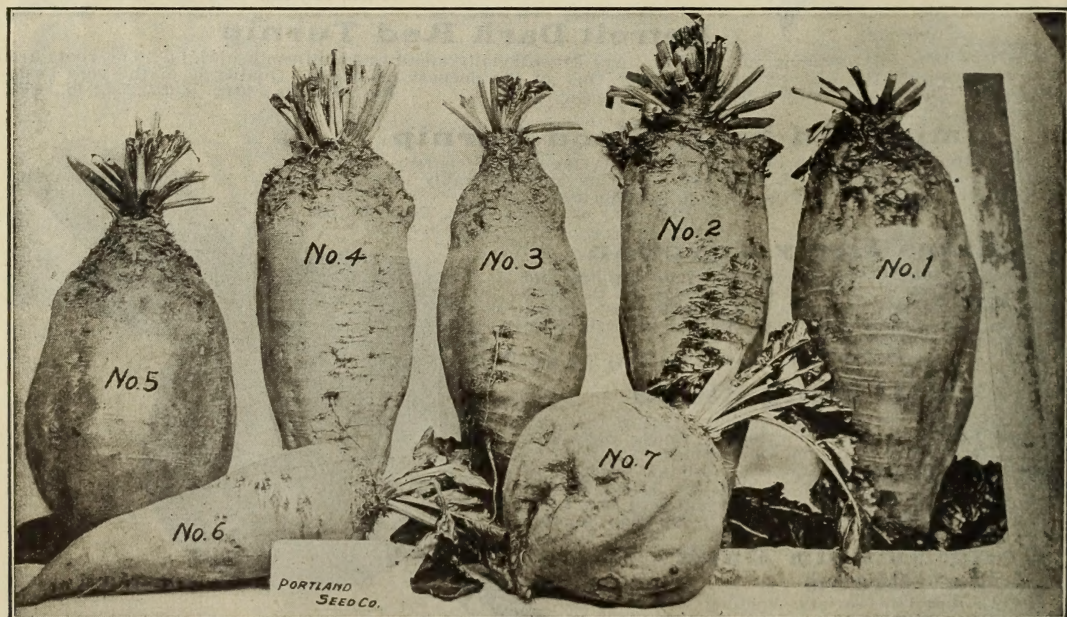
Not postpaid, 5 lbs., \$1.35; 10 lbs., \$2.50.

GOLDEN TANKARD. (Cut No. 3.)

Fine for dairy farming. Considered indispensable by many dairy farmers. They state that they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Golden Tankard is of a rich, deep yellow throughout. Early, hardy and a heavy cropper; on account of its shape the roots can be left standing close in rows.

Pkt., 5c.; ¼ lb., 20c.; lb., 40c.

Not postpaid, 5 lbs., \$1.35; 10 lbs., \$2.50.



FAVORITE BEETS FOR STOCK FEEDING (from Photograph). See cut numbers and description.

YELLOW GLOBE. (Cut No. 7.)

Finest type of Yellow Globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine grained, renders it an excellent keeping variety. Well adapted to shallow soils.

Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c.

Not postpaid, 5 lbs., \$1.25; 10 lbs., \$2.25.

YELLOW OVOID. (Cut No. 5.)

Similar to the Yellow Globe, but grows to a much larger size, and more of a half-long shape. Yields an enormous crop. One of the most desirable stock feeding Mangels.

Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c.

Broccoli

Broccoli is very much like Cauliflower in general appearance and growth, but is harder and will stand more cold and frost. Produces fine heads from late in the fall until early spring, according to time plants are set out. It is a very profitable crop and is now being planted extensively. Culture same as for Cauliflower.

St. Valentine — New

The Finest Quality of All Broccolis.

This new English Broccoli is a winter variety of great merit, coming in about the middle of February. We do not mean the end of March, as is too often the case with so-called winter Broccolis. This variety produces large, handsome, firm, solid, white heads that remain in good condition longer than any other sort. A novelty of great value.

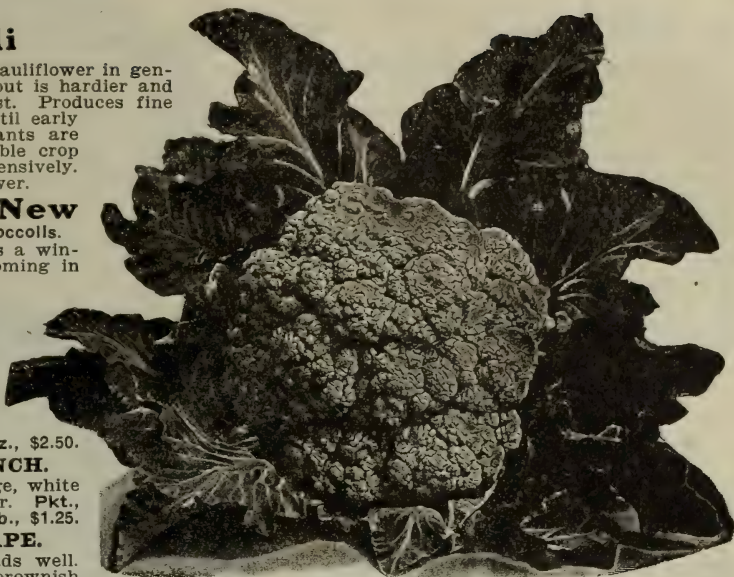
Pkt., 15c.; ¼ oz., 75c.; oz., \$2.50.

LARGE WHITE FRENCH.

A valuable variety, with large, white heads, firm and of good flavor. Pkt., 5c.; oz., 40c.; 2 oz., 75c.; ¼ lb., \$1.25.

EARLY PURPLE CAPE.

A popular sort; hardy; heads well. The heads are large, of a brownish tint and excellent flavor. Pkt., 5c.; oz., 35c.; 2 oz., 65c.; ¼ lb., \$1.15.



ST. VALENTINE BROCCOLI—NEW.

Brussels Sprouts

The plants, which are very hardy, grow two or three feet high, and produce, from the sides of the stalk, numerous little sprouts, which resemble very small cabbages, one or two inches in diameter. The leaves should be broken down in the fall, to give the little heads more room to grow. They should be treated in all respects like winter cabbage or kale.

DWARF IMPROVED.

A carefully grown strain, very hardy, and giving compact, round sprouts of large size and good quality.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.

Plant Portland Seed Co.'s "Diamond Brand" Seed and be assured of a beautiful garden.

Corn Salad

FETTICUS, OR LAMB'S LETTUCE.

A refreshing salad, used extensively in winter and spring as a substitute for lettuce. It is often cooked like spinach. Sow in drills, one foot apart, in the spring or fall. On the approach of cold weather cover over with straw or coarse litter.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.



BRUSSELS SPROUTS.



CORN SALAD.

Chervil

CURLED.

This plant is used for flavoring soups and salads, and has a strong perfume.

Pkt., 5c.; oz., 15c.; ¼ lb., 30c.

Collards

TRUE GEORGIA.

Used as "greens" mainly in the South and West. As the leaves are pulled off, others grow in their places.

Pkt., 5c.; oz., 15c.; ¼ lb., 30c.

Chives

For Vegetable Plant List, see Index.

Cress

CURLED, OR PEPPER GRASS.

This salad is much used with lettuce, to which its warm, pungent taste makes an agreeable addition. The seed should be sown in drills about 16 inches apart, on very rich ground, and the plants well cultivated. It may be planted very early, but repeated sowings are necessary to secure a succession. Keep off insects by dusting with Pyrethrum Powder.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

TRUE WATER.

This is quite distinct from the former, and only thrives when its roots and stems are submerged in water. It is one of the most delicious of small salads, and should be planted wherever a suitable place can be found. The seed should be sown and lightly covered in gravelly, mucky lands, along the borders of small, rapid streams, and the plants will need no subsequent culture, as under favorable conditions they increase very rapidly by self-sown seed and extension of the roots.

Pkt., 5c.; oz., 35c.; ¼ lb., \$1.00.



WATER CRESS.

We sell thousands of Vegetable Plants. See price list, page 78.

For Plants see page 78

Cabbage

For Plants see page 78

CULTURE—The requisites for complete success are: First—Good seed. There are no vegetables where the seed has more influence on the quality of the product than in this, and gardeners should always use the best procurable. Second—Rich, well prepared ground. Third—Frequent and thorough cultivation. A heavy, moist and rich loam is most suitable, which should be highly manured and worked deep. Cabbage is universally grown, and specific directions regarding the time and method of planting applicable to all localities cannot be given. In general, the early sorts should be sown very early in hot beds, hardened off by gradually exposing them to night air, and as early as the ground is in good condition transplanted, setting eighteen to thirty-six inches apart, according to size of variety.

The late autumn and winter varieties may be sown from the middle to the last of spring and transplanted when four to six inches high. Shade and water the late sowings in dry weather to get them up. It is important that the plants should not be crowded in the seed bed, or they will run up weak and slender, and be likely to make long stems.

Portland Seed Co.'s First Crop

A 1905 Novelty from Europe.
An Ideal Early Cabbage.

This grand, new cabbage, which we offered last season for the first time, is distinct from any other on the market. It is the earliest of all pointed varieties and an ideal sort for the private or market gardener, as it takes but little room, and produces fine, solid hearts ten days ahead of any other cabbage. We advise all our customers to try this new variety, for we believe it is a sterling novelty of the greatest value. (See cut.)

Pkt., 15c.; oz., 35c.; ¼ lb., \$1.00.



P. S. Co.'s FIRST CROP (From Photograph.)

Early Jersey Wakefield
The favorite Early Cabbage with our market gardeners. A sure header. The thick, stout leaves and compact habit make it the best for wintering over and very early setting.

Stands today in an exalted position among early cabbages. It is grown more exclusively for market than any other early cabbage. It is always of good size, very solid, and has but few outside leaves; a reliable header and always gives good satisfaction. Pkt., 5c.; oz., 25c.; 2 oz., 45c.; ¼ lb., 75c.; ½ lb., \$1.25; lb., \$2.00.

EXTRA EARLY EXPRESS.

Produces medium-sized, pointed heads, in eighty to eighty-five days from sowing of seed.

Pkt., 5c.; oz., 20c.; 2 oz., 35c.; ¼ lb., 60c.; lb., \$2.00.

EARLY YORK.

Small, but very early; very popular sort. Can be planted close together.

Pkt., 5c.; oz., 15c.; 2 oz., 25c.; ¼ lb., 40c.; lb., \$1.50.

WELL-KNOWN AND POPULAR VARIETIES.

	Pkt.	Oz.	2 oz.	¼ lb.	Lb.
Early Dwarf Flat Dutch. Grows low on the stem; a sure header; firm, fine-grained, tender and excellent.....	5c.	20c.	35c.	60c.	\$1.75
Early Drumhead. Heads slightly flattened; do not crack; keep well	5c.	20c.	35c.	60c.	\$1.75
Fottler's Improved Brunswick. The best Early Drumhead in the market	5c.	20c.	35c.	60c.	\$1.75
Sure Head. Sure to head; compact; medium to large	5c.	20c.	35c.	60c.	\$2.00
Succession, or All Seasons. Heads, large, slightly flattened; grow low on the stem.....	5c.	25c.	35c.	65c.	\$2.00
Charleston, or Large Wakefield. Large and a little later than the Early Jersey Wakefield.....	5c.	25c.	35c.	60c.	\$2.00

Second Early Sorts

EARLY WINNIGSTADT.

A desirable variety, having conical, solid heads; a sure header under almost any conditions, and keeps better than most early varieties. Fine, and of excellent quality.

Pkt., 5c.; oz., 20c.; 2 oz., 35c.; ¼ lb., 60c.; lb., \$2.00.

HENDERSON'S EARLY SUMMER.

About ten days later than the Jersey Wakefield. The head is round, and the largest of the early kinds; can be set close in the row, as the outer leaves are small. It remains long without bursting; is firm and of the best quality.

Pkt., 5c.; oz., 20c.; 2 oz., 35c.; ¼ lb., 65c.; lb., \$2.00.

Early Spring

The Earliest Flat-Headed Variety.

A wonderfully compact plant, with few outer leaves, so that a great number of fine, solid heads can be produced on an acre. Although it does not come to full maturity as early as Jersey Wakefield, it becomes solid enough for use about as early, and is by far the best early sort for those markets that demand a large round or flat cabbage. The plant is vigorous, with short stem. The heads are oval and very large for the size of the plant.

Pkt., 5c.; oz., 30c.; ¼ lb., 75c.; lb., \$2.25.



EARLY JERSEY WAKEFIELD.



P. S. CO.'S DANISH BALL HEAD.

Autumn King or World Beater

A sure header, very solid, fine-grained and tender. It grows quicker than any other large cabbage and will produce more to the acre. Color, dark green, with a slight bronze or brownish tinge to the outer leaves. The heads are remarkably thick through, and will attain a great weight. Has a short stem and grows near the ground.

Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Prem. Late Flat Dutch

This is superior to any other late cabbage in cultivation, when large areas are planted for shipping. It possesses all the good qualities of the Late Flat Dutch, and is a sure header.

Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

WELL-KNOWN AND POPULAR LATE VARIETIES.

Premium Late Drumhead. Has no superior in any respect for family and marketing purposes, either for medium, early or late crop.... 5c.

Mammoth Rock Red. Used for pickling. The heads are very fine and remarkably sure heading.....5c.

Stone Mason Marblehead. Large variety, sure to head; fine grained, tender, sweet and delicious.....5c.

Marblehead Mammoth Drumhead. The largest variety known; hardy; good keeper, but coarse.....5c.

Improved American or Netted Savoy. Adapted for private use where quality, rather than quantity, is desired.....5c.

Drumhead Savoy. Large, compact head; tender and excellent; rich flavor

Pkt.	Oz.	2. oz.	$\frac{1}{4}$ lb.	Lb.
5c.	20c.	35c.	60c.	\$1.75
5c.	20c.	35c.	60c.	\$2.00
5c.	20c.	35c.	60c.	\$2.00
5c.	20c.	35c.	60c.	\$2.00
5c.	20c.	35c.	60c.	\$1.75
5c.	20c.	35c.	60c.	\$1.75

CABBAGE PLANTS.

From Nov. 1st to following August we aim to have on hand large quantities of Cabbage Plants. See Page 78.



STONE MASON MARBLEHEAD.



PREMIUM FLAT DUTCH.



AUTUMN KING OR WORLD BEATER.

Late or Fall Sorts Hollander or Danish Ball Head

This is one of the hardiest cabbages in cultivation and endures both frost and drought that would destroy other varieties.

Plants very hardy, rather long stemmed, but compact; leaves very smooth, but thick; head, of medium size, round and very solid, being the hardest heading cabbage we know of, and of the very best quality. Matures quite late, keeps well, and is considered by many the best cabbage to hold over for spring markets.

Pkt., 5c.; oz., 25c.; 2 oz., 40c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.

Portland Seed Co.

Sirs: Your seeds and plants are the finest we ever had any experience with.

Mrs. Melva McPherson,
Springfield, Ore.
April 2, 1906.

Carrots

CULTURE—A sandy loam is the best soil for the carrot, but any good land, if thoroughly and deeply worked, will produce satisfactory crops. Sow as early in the spring as the ground is fit to work, though good crops may be grown from sowing as late as June 15. For table use, sow the smaller kinds in rows 16 to 18 inches apart, and for field culture prepare the ground thoroughly and sow in drills 18 to 24 inches apart. Cover one-half to one inch deep and see to it that the soil is well firmed above the seed.

✓ **EARLY SCARLET HORN.**

The best early kind for general use. It is larger than the forcing variety, but fully as good in quality, and produces a much larger crop.

Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 85c.

✓ **EARLIEST SHORT HORN, OR FRENCH.**

The earliest variety in cultivation, and best suited for forcing. Roots, reddish brown, globular and about two inches in diameter; should be used before full grown.

Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., 90c.

✓ **Chantenay**

The Market Gardener's Favorite.

Tops, medium sized; necks, small; roots, tapering slightly, but uniformly stump-rooted and smooth; color, deep orange red; flesh, very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any; is a heavy cropper, and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

✓ **Danvers Half Long**

Grown largely on account of its productiveness and adaptability to all classes of soil. Tops, medium sized, coarsely divided. The smooth, handsome roots are orange, of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, tender; deep orange in color. Although the roots of this variety are short, they produce as large bulk as the longer field sorts, and are more easily harvested.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

✓ **Oxheart**

A thick carrot, five or six inches long and very blunt at the lower extremity. It grows very rapidly and the root attains a weight of more than a pound. It is tender and of good flavor.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.

Four Good and Productive Stock Carrots

✓ **PORTLAND SEED CO.'S IMPROVED LONG ORANGE.**

Popular for farm use on deep, mellow soil. Our stock is an improvement obtained by years of careful selection of the best formed and deepest colored roots, which grow to a large size, some specimens averaging twelve inches in length. Enormous crops can be grown under fair culture; one of the best varieties for feeding stock.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

✓ **Yellow Giant** PORTLAND SEED CO.'S

This new Carrot originated at the Sydney, Australia, Experimental Station, and has proved itself to be the earliest and most productive stock carrot yet produced. It is a half long variety, with an immense broad shoulder. The Carrot penetrates less than one-half the depth into the ground, which saves about one-half the expense of harvesting the crop. The color is a bright yellow, and is perfection itself for giving the proper color to butter. Every dairyman who wants a big crop of carrots of the right quality and easy of culture should plant our Yellow Giant.

Pkt., 5c.; oz., 10c.;
¼ lb., 25c.;
lb., 80c.

✓ **IMPROVED SHORT WHITE.**

Ranks first as a field carrot, owing to its enormous productiveness and the ease with which it can be harvested. Roots half long, smooth, very heavy at the shoulder, but tapering regularly to the point; color, light green at the crown, white below; flesh, rich, white, solid, crisp and of excellent flavor.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

✓ **LARGE WHITE BELGIAN.**

Extensively grown for stock feeding; very productive. Grows so much above ground that the entire crop can be pulled by hand. The White Belgian has recently been much improved, in the same manner as the Long Orange, and is now larger and of finer quality than formerly. The stock we offer has no superior.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.



5-lb. lots of
one kind car-
rot 5c less
per lb.

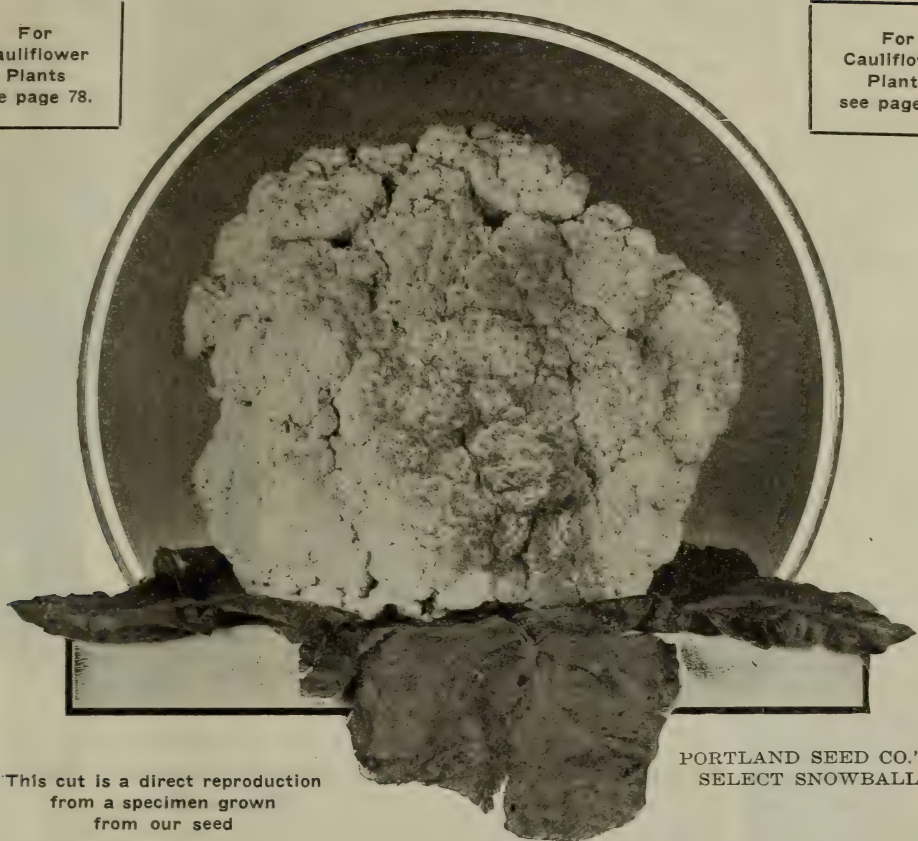
Portland Seed Co.: I raised some of your Yellow Giant Carrots and consider them an exceedingly good variety. I obtained better results from all your seeds I planted last season than from any others I planted heretofore. Yours truly,

G. H. CARL, Corvallis, Or., Nov. 4, 1906.

Cauliflower

For
Cauliflower
Plants
see page 78.

For
Cauliflower
Plants
see page 78.



This cut is a direct reproduction
from a specimen grown
from our seed

PORTLAND SEED CO.'S
SELECT SNOWBALL.

CULTURE—The Cauliflower succeeds well in any soil where cabbage will grow. It delights in a rich soil and abundance of water. By sowing the early varieties in a hot bed in February or March, or later in a cold frame, fine heads can be obtained quite early. For a later supply sow seed in a prepared bed in May, choosing a cool, moist place. When large enough, transplant, making the rows about two and a half feet apart and eighteen inches between the plants. Transplanting should be done in moist weather. In dry seasons the crop must be watered.

P. S. Co.'s Mt. Hood Brand Early Snowball

(See Cut.)

We have at last succeeded in obtaining a grand, new strain of Snowball Cauliflower, which we shall put up in sealed packages only, under our own label. This strain is grown for us by one of the few expert cauliflower growers, and is the result of a series of experiments which has brought this seed up to the highest state of perfection. This seed will produce those handsome, large, solid, white heads that always bring the gardener big profits. We recommend this for both early and late planting. Put up in sealed packages only.

Pkt., 25c.; ½ oz., \$2.00; oz., \$3.50.

EARLY SNOWBALL.

Ordinary strain. Pkt., 5c.; oz., \$1.50; ¼ lb., \$5.00.

EARLY PARIS.

A popular early sort. The heads are large, white, tender and excellent. Early and compact grower.

Pkt., 5c.; oz., 85c.; 2 oz., \$1.40; ¼ lb., \$2.50.

Better Than the Rest

Portland Seed Co.

Dear Sirs: We have tried other Co.'s Cauliflower seeds, but none have given as good satisfaction as Portland Seed Co.'s Mt. Hood Snowball. We raised Cauliflower 14 in. in diameter that was as sweet and nice as any I ever used. Yours truly,

F. EASTMAN, Glenburn, Calif.

CAULIFLOWER SEED.

Don't buy the cheap strains of Cauliflower Seed offered by many seed houses, if you want to raise those handsome, white heads. We would rather have one dozen plants from selected strains than one hundred from the ordinary. There is no finer seed grown than our Mt. Hood Snowball. Liberal applications of Nitrate of Soda and Kanit in cauliflower culture are of great service.

Selected Extra Early Dwarf Erfurt

Remarkable for reliability in heading. Very dwarf, with solid, pure white heads of superior quality. If planted the first of March, heads nine to twelve inches in diameter will be ready early in June.

Pkt., 10c.; ¼ oz., 65c.; oz., \$2.00.

EARLY ERFURT.

Ordinary strain. Pkt., 5c.; oz., 85c.; ¼ lb., \$3.00.

Large Algiers

A valuable late sort, sure to head, of the best quality and very popular with market gardeners everywhere. Plant large, but of upright growth, the leaves protecting the heads so that they will endure, uninjured, a frost that would ruin other sorts. One of the very best of the late varieties.

Pkt., 5c.; oz., 80c.; 2 oz., \$1.50; ¼ lb., \$2.50.

VEITCH'S AUTUMN GIANT.

The heads are white, large, compact and thoroughly protected by foliage.

Pkt., 5c.; oz., 60c.; 2 oz., \$1.00; ¼ lb., \$1.75.

Celery

FOR PLANTS SEE PAGE 78.

CULTURE—Sow the seeds early, in a hot-bed or cold frame. As soon as the plants are three inches high, transplant in a prepared border, setting them four inches apart. When grown six inches, and fine, stocky plants, set in richly manured, deep soil, in rows three and a half feet apart and about nine inches from plant to plant. Water, if dry weather follows transplanting. During the next two months all the attention that is required is to keep down the weeds. Afterwards, earth up a little, and continue doing so at intervals until only the tops of the leaves are visible late in the autumn. Never hoe up the earth when plants are wet. One ounce of seed produces about two thousand plants.

Snow White—New

The Handsomest White Celery.

This new celery is a pure white, self-blanching variety, recently introduced, after years of careful selection and improvement. It is without a rival in purity of color. In vigor of growth, ease of blanching, size, richness of flavor, crispness and purity, it is ideal. Our engraving gives some idea of the beauty of this variety. Single stalks sometimes weigh 2½ pounds each. It grows solid on all kinds of soil and keeps better than many standard varieties.

Pkt., 10c.; oz., 40c.; ¼ lb., \$1.25.

One grower reports: "Snow White is the finest celery of the white type I ever saw. I set 3000 plants and found only one stalk that was not pure white."

Winter Queen—New

This is without doubt the most valuable variety of celery for winter and spring use ever introduced. Has double the amount of heart of any known celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream-white. Ribs perfectly solid, crisp and a delicious, nutty flavor.

It has the strong, robust growth of the Giant Pascal, but the plants, being of only medium height, are of better length for bunching for market, as well as more desirable for serving on the table. Its compact habit makes considerably less labor necessary in earthing up the plants to blanch, and the rows can be planted close together. Stored for winter or spring use, it is an excellent keeper, and when taken out the blanched stalks will be firm and crisp; entirely free from strings; brittle and of sweet flavor.

Pkt., 10c.; oz., 35c.; 2 oz., 65c.; ¼ lb., \$1.00.

White Plume

The Leading White Celery.

A handsome, crisp sort, of very easy cultivation. Naturally its stalks and portions of its inner leaves and heart are white, so that by closing the stalks either by tying or by simply drawing the soil up against the plant and pressing it together, the work of blanching is completed without the troublesome process of "banking" or "earthing up." It is the earliest celery known.

Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

WELL-KNOWN AND POPULAR SORTS.

	Pkt.	Oz.	¼ lb.	Lb.
Large White Solid. Of vigorous growth, white, crisp, tender; fine, nutty flavor.	5c.	20c.	60c.	\$1.75
Giant Pascal. Largest variety grown; of fine, nutty flavor; very easily blanched.	5c.	20c.	60c.	\$1.75
Golden Heart, or Golden Dwarf. Solid; of fine, nutty flavor; excellent	5c.	15c.	45c.	\$1.50
Dwarf White Solid. Keeps in good condition later than any other variety.	5c.	20c.	60c.	\$1.75
Pink Plume. The same as White Plume except in color	5c.	20c.	60c.	\$2.00
Celery Seed. For flavoring		10c.	15c.	\$0.35



GOLDEN YELLOW
SELF-BLANCHING.

Golden Yellow Self-Blanching

This is no doubt the best celery for early market use. Plants of a yellowish green color when young, but as they mature the inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness and makes the work of blanching much easier.

Pkt., 5c.; oz., 35c.; ¼ lb., \$1.00.



Portland Seed Co.

Feb. 20, 1906.

Gentlemen: I wish to say that the Snow White Celery seed we received from you last year produced the best celery I have ever seen. Yours truly,

A. NEWBY, Newberg, Ore.

We supply Celery Plants by the thousands.
See page 78.

Cucumbers

CULTURE—Cucumbers need a warm, sandy soil, and should not be planted in open ground until the weather is settled and warm, as otherwise they will not thrive. Plant in hills four feet apart each way, thinning to three or four of the strongest plants, after danger from insects is passed. As fast as the cucumbers attain suitable size they should be taken from the vine, whether required for use or not, as their ripening soon destroys the vine's usefulness.

P. S. Co.'s Ideal White Spine

This is without exception the most uniform and symmetrical White Spine Cucumber offered to date. Special care has been given to make this an ideal strain for slicing. Color, a beautiful bright green. It is early, long, smooth and shapely. Flesh, crisp, tender and excellent flavor. A very productive variety; highly recommended for gardeners and home use. Try this grand new strain and you will always plant it.

Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Best Long Green

The leading large variety. Fruit from ten to twelve inches long, dark green, crisp and tender. A good variety for slicing, and when ripe they are the best for sweet pickles. We offer the "Best Strain" that will grow long and uniform in shape. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

PEERLESS, or EARLY WHITE SPINE.

One of the best sorts for table use, fruiting early and abundantly. Fruit uniformly straight and handsome; light green, with a few white spines.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Cumberland Pickling

The vines are hardy, strong, and fruit very freely. The young cucumbers are thickly set with small spines, and are equally attractive for making small, medium-sized or large pickles. The straight young fruits possess the distinctly roughened surface so much desired for small pickles. The large fruits average nine to ten inches in length, two and a half inches in diameter, with full rounded ends, and are of good quality for slicing.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Japanese Climbing

The vines are of a healthy, vigorous growth, with a rich, dark green foliage, and throw strong, grasping tendrils which enable it to climb trellises, wire netting, brush, or any other suitable support. It bears abundantly throughout the season, while the climbing habit enables the fruit to grow perfectly straight. From 12 to 16 inches in length. The cucumbers are thick, tender and of delicate flavor.

Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.

Boston Pickling or Green Prolific

A distinct variety, very popular for pickles. Color, bright green, and a great producer. The fruit averages four to five inches in length when large enough for slicing, and are of excellent quality; but it is for producing medium sized pickles that this variety is so highly esteemed. If the fruits are gathered as soon as large enough the vines will continue bearing through a long season.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

EARLY SHORT GREEN OR EARLY FRAME.

An excellent sort for both table use and pickling. Plants very vigorous and productive. Fruit straight, handsome, small at each end, bright green, lighter at the blossom end, with crisp, tender flesh, and makes excellent pickles. Comes into use a little later than the Early Cluster and keeps green a long time. Our stock is very superior.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

EARLY RUSSIAN.

Earliest and hardiest. Very vigorous and productive. Fruit three to four inches long, thick, oval, pointed at each end, and covered with fine, small spines. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

EARLY CLUSTER.

Vine vigorous, producing the bulk of the crop near the root and in clusters. Fruit short, with uniformly thick end, dark green, but paler at blossom end. A very productive sort.

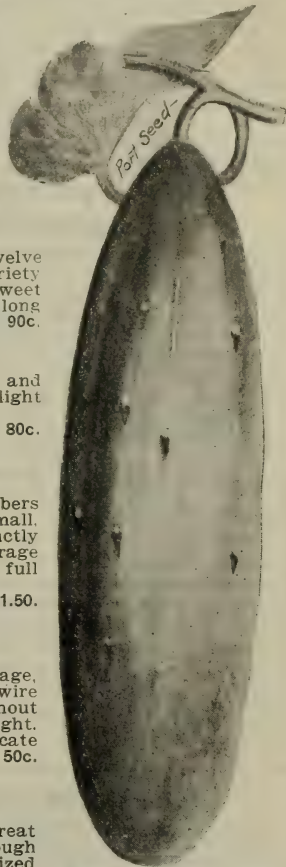
GHERKIN FOR PICKLING.

A very small, oval, prickly variety, quite distinct from all others. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.

Use Bug Death on all vine plants and insure your crops. See page 82.



EARLY CLUSTER.



IDEAL WHITE SPINE



BOSTON PICKLING.

Corn

Sweet or Sugar

In ordering by mail add 10c. per lb. for postage. Prices in quantity on request.

CULTURE—Select a warm soil, if possible, especially for the earlier varieties, which should not be planted before the middle of May. Successive plantings should be made every two weeks till July. Plant in hills, three or four feet apart, in thoroughly manured soil. One quart to 200 hills; ten quarts to an acre.

Portland Seed Co.'s

Golden West

The sweetest and richest corn ever grown. This season we offer our customers a distinct novelty in a sweet corn, which we have christened Golden West. It is the earliest of all early sweet corns; the sweetest, most tender and delicious ever tasted. We are sure it will meet with the approval of all our customers, and we would like to have reports at the end of the season.

Golden West Corn can be planted earlier than most sweet corns and will produce ears for the table earlier than any. Highly recommended for the home garden. Stock limited this year. Order early.

Pkt., 15c.; lb., 25c.; 10 lbs., \$2.00.

None Better

Portland Seed Co.

Gentlemen: I must say your Golden West Sweet Corn is a wonder, as I never saw one variety combine so many good qualities before, and, as a lady remarked that was dining with us, "Why, Mr. Eastman, this corn is so tender it almost drops into my mouth from the cob, and is the sweetest and most delicious I ever tasted." Yours truly,

F. EASTMAN, Glenburn, Cal.

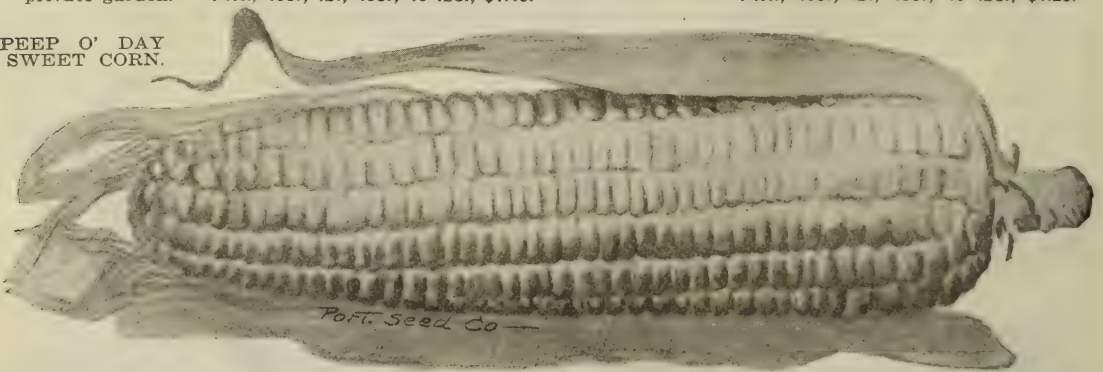
Feb. 23, 1906.

Early Minnesota

This old and deservedly popular variety is one of the best of early sorts for the market and the private garden.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.10.

PEEP O' DAY
SWEET CORN.

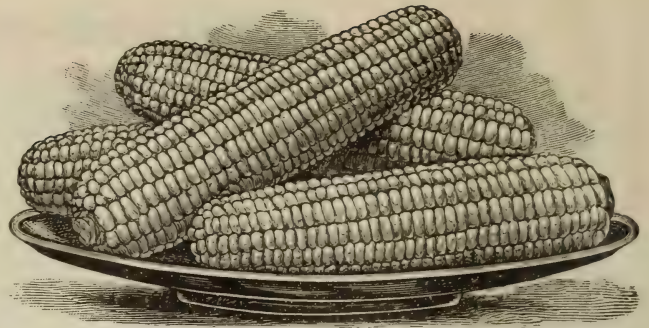


Peep o' Day—New Sweet Corn

Ten Days Earlier than Any Other—Sweet, Early, Productive.

You will not be disappointed in this New Sweet Corn. Recently introduced. Has pleased everyone who has tried it. For flavor, sweetness and productiveness it is ahead of any other early white sweet corn. It will prove a money maker for the market gardener, and a valuable addition to our list of corn for our short western summers. (See cut.)

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.



GOLDEN WEST.

Early Evergreen

The Best Second Early Sweet Corn.

As is well known, the famous Evergreen Sweet Corn originated over twenty years ago, but while it is the best variety of late Sweet Corn, no effort has ever been made to improve it in earliness until now. In the New Early Evergreen we have a selection possessing every good quality of Stowell's Evergreen, and resembling it in every respect, except that the stalk is about one foot shorter, more closely jointed, and that it will mature for market ten to fourteen days earlier. It is certainly a valuable addition to the corn list, and we advise all our customers to try this variety.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

Early Fordhook

This is the largest-eared, extra early, true Sweet Corn, averaging seven inches in length. It is two to three days earlier than the Cory, and has both grains and cobs of pure white coloring. The ears are eight-rowed with quite small cob and deep grains. While similar in growth, it is greatly superior to the Cory in sweetness and flavor.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

WHITE COB CORY.

An improvement on the Red-Cobbed Cory, as well as being equally early. The ears are larger and it has the further advantage of having both a white cob and a white grain. A splendid market garden variety, and excellent for the table.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

STOWELL'S EVERGREEN.

Remarkable for remaining a long time in a fresh condition suitable for the table. Hardy and productive, and the best late variety for general use.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

Mammoth Early Cory

Most Popular Early Sweet Corn.

The stalks are no larger than those of the White Cob Cory, but each stalk furnishes two or more large, fine-shaped ears, which are fit for use before those of most other sorts. The ears are twelve-rowed, very symmetrical and handsome, with no opening between the rows at the base. The grain is large, broad, very white and of remarkably good quality for such an early sort. The size and beauty of this variety gives it ready sale, even when the market is overstocked.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

We sell Corn and Potato Planters; see page 58.

Sweet Corn—Continued

WELL-KNOWN AND STANDARD VARIETIES.

	All 10c. per packet, postpaid.	Per lb. Per 10 lbs.
Adams' Extra Early. Not sugar corn; small ears for early use.....	10c.	\$0.90
Black Mexican. Black grains, sweet and delicious; fine for home use.....	15c.	1.20
Country Gentleman. The sweetest and most tender of all Sweet Corns.....	15c.	1.15
Extra Early Cory (Red Cob). One of the earliest sweet varieties; when ripe, grains are pink.....	15c.	1.20
Mammoth Sweet. Very large, white grain; early and productive.....	15c.	1.10
Old Colony. Large growing variety, much prized.....	10c.	.90
Fodder Sweet Corn. Mixture for soiling and green fodder.....	10c.	.80
White Rice. Best variety of popping corn.....	10c.	.80

Pound prices on Corn do not include postage; add 10c. extra per pound if wanted by mail.

Corn Planters—They Save Time and Seed. See page 58—Corn Planters



Field Corn

Field Corn is now recognized as one of the leading crops for fodder on the Pacific Coast. If cut green and packed in silos it makes an excellent winter green feed, particularly adapted for milch cows.

MINNESOTA KING (Dent).

Recommended by the Agricultural College as the best variety for Western Oregon and Washington. Smallest cob and longest grain. The ears are uniformly well filled out, and it will make more shelled corn to a given bulk of ears than any other variety. It is a beautiful golden yellow and a good yielder.

1 lb., 10c.; 10 lbs., 60c.

PRIDE OF THE NORTH, or YELLOW DENT.

Recommended, after repeated tests, by the Agricultural College, as the best for Eastern Oregon, Washington and Idaho. A quick growing dent variety, thriving well where the summers are not very long. The kernels are of a beautiful golden color.

1 lb., 10c.; 10 lbs., 55c.

CHAMPION WHITE PEARL.

A large, white, late dent variety, pearly white kernels. This variety is very popular with our dairy-men on account of the great amount of green feed it makes.

1 lb., 10c.; 10 lbs., 55c.

WELL-KNOWN AND STANDARD VARIETIES.

	Per lb. Per 10 lbs.
Early Canada (Flint). An eight-rowed Yellow Flint Corn; early and very productive.....	10c. 55c.
King Philip. An early Red Corn; well acclimated and well known.....	10c. 65c.
White Cap Yellow Dent. Suitable for all climates where corn can be expected to grow.....	10c. 55c.
Leaming (Early). Corn yellow; grain small; weighty; productive.....	10c. 55c.
Early White Flint. Productive, early and of beautiful appearance.....	10c. 60c.
Wisconsin White Dent. A yellowish white dent, of extreme earliness.....	10c. 55c.

All sorts, 10c. per packet; prices per 100 lbs. on request.

Celeriac Or Turnip-Rooted Celery

LARGE, SMOOTH PRAGUE.

An improved form of turnip-rooted Celery; round, smooth, with very few side roots. This is the largest variety and one of the very best.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.

Chicory

Extensively used to adulterate coffee and as a substitute for it. The culture is the same as for carrots. Dig at about the same time as carrots, wash, slice and dry by artificial heat. The blanched leaves are used by some for salad.

LARGE ROOTED, or COFFEE.

The best kind.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.



CELERIAC.

Endive

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August for a succession of crops; tie the leaves closely together to blanch them.

GREEN CURLED.

Standard sort for fall and winter.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.

WHITE CURLED.

A beautiful variety, with curled, mossy leaves; for early use.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.

BROAD LEAVED BATAVIAN (Escarole).

Has broad, thick leaves, which form a large, loose head.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.



ENDIVE.

Egg Plant

Should be started in a hotbed and transplanted when the weather is settled and the ground thoroughly warm. They will thrive with the same treatment as that given the tomato.

EARLY LONG PURPLE.

The earliest and hardiest; very productive; fruit from 6 to 10 inches long. Pkt., 5c.; oz., 30c.; ¼ lb., 75c.

NEW YORK IMPROVED, LARGE PURPLE.

The leading market variety. Large, round, dark, excellent, and the most productive. Pkt., 5c.; oz., 35c.; ¼ lb., \$1.00.

BLACK PEKIN.

Oval round, of medium size, very dark, glossy and handsome. Pkt., 5c.; oz., 30c.; ¼ lb., 80c.



NEW YORK IMPROVED

Garlic

Used same as onions.

Sets, per lb., 15c.; postpaid, 25c.

Just a Word

Roy, Wash., June 6, 1906.

Portland Seed Co.

Gentlemen: I would like to say a word in praise of your "Golden West" Sweet Corn. It is, I think, the best corn I ever tasted. Such a rich, peculiar flavor. Respectfully yours, MRS. GERTRUDE L. GOODWIN.

Horse Radish Roots

These sets or small roots can be planted in the spring or fall, small end down, with the top one inch below the surface, in rich, cultivated soil. Will form radishes of large size in one season's growth. For prices see Plants and Roots, page 78.



Kohl Rabi

The Kohl Rabi is a vegetable intermediate between the cabbage and turnip, and combines the flavor of both. The edible part is a turnip-shaped bulb formed by the swelling of the stem. When used for the table this should be cut when quite small, as it is then very tender and delicate, but if allowed to reach its full size it becomes tough and stringy.

EARLY WHITE VIENNA.

Very early; bulb white; best table variety. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.

EARLY PURPLE VIENNA.

Same as above, except in color, which is purple. Pkt., 5c.; oz., 20c.; ¼ lb., 65c.

Kale or Borecole

Kale, or Borecole, is a kind of cabbage that does not form a close and solid head, but a cluster of beautifully curled or wrinkled leaves that are tender and of excellent flavor. It requires the same treatment as cabbage; is very hardy, being improved by frost.

P. S. CO'S EMERALD ISLE.

Finest Kale in the World.

This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains; very hardy, of medium height. The closely curled, handsome leaves are most attractive and of fine flavor. A fine exhibition plant. (See engraving made from photograph.)

Pkt., 10c.; oz., 25c.; ¼ lb., 75c.

TALL GREEN CURLED SCOTCH.

Grows about two feet high; leaves dark green, curled and wrinkled; very hardy and is improved by a light frost.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.

THOUSAND HEADED.

A very large Kale, growing from 3 to 5 feet high and producing large, curly leaves. Used extensively for feeding green to cows.

Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 75c.



EMERALD ISLE (from Photograph).

Half Dwarf Moss Curled. Medium sized leaves, nicely curled	Pkt., 5c.	Oz., 15c.	¼ lb., 40c.
Dwarf Green Curled. Leaves beautifully curled and bright green.....	5c.	10c.	30c.



LARGE ROUEN
LEEK.

Leek

The Leek belongs to the onion family. Prized for soups. Cultivation similar to that of onions, but hill up about the neck to blanch it.

LARGE ROUEN, or AMERICAN FLAG.

A large, favorite American sort. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

MONSTROUS CARENTON.

Rather larger than the Flag, but very tender and mild on account of its rapid growth. Pkt., 5c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.50.

It pays well to use Fertilizer. Our twenty-page free booklet tells why.



Lettuce Grand Rapids

For Early Forcing.

As a Lettuce for greenhouse forcing this variety undoubtedly stands at the head of the list. Of quick growth, and stands for some days after being fit to cut. The plant

is upright and forms a loose head or cluster of large, light yellowish green leaves, slightly crimped and blistered, rather thin, good flavor, crisp and tender. It will stand shipping better than most curled sorts (see cut).

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

See Crispette
and
May-King
next page.

Simpson's Early Curled

A leading market variety used for very early planting and forcing. Forms a dense mass of finely curled and wrinkled leaves that are excellent and tender, and do not wilt readily.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Portland Seed Co.

Gentlemen: The lettuce I raised last year of your Prize Head was the prettiest I ever saw. Thanks for the many premium packets I received. Yours truly,
Beecher Crouch,
North Bend, Oregon.

Early Prize Head

This old, standard sort still stands at the head of the large, thin leaved, clustering varieties. The very large leaves are savoyed or crimped, bright green, tinged with red, and are exceedingly tender, crisp and sweet, forming a large, loose head. This variety is one of the very best for the garden, but is not a good sort to ship long distances.

Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb. \$1.00.

Hanson

The Leading Head Lettuce.

(Improved Hard-heading Stock.) We can recommend this as one of the very best. Heads green outside and white inside; grow to a remarkable size, very solid, and is deliciously sweet, crisp and tender. It withstands the hot sun.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

BLACK SEEDED SIMPSON.

Forms a close, compact mass of curly leaves of a yellowish green.

Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.



PRIZE HEAD.

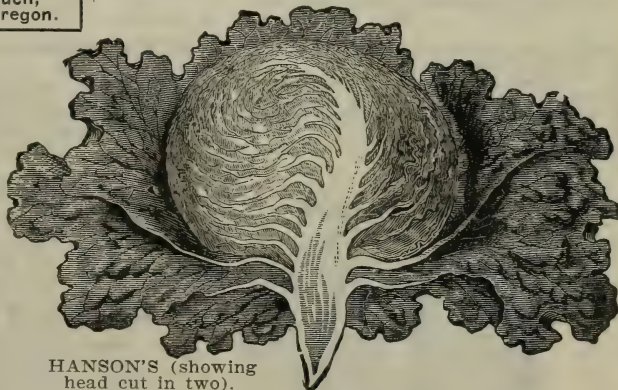
For Hand Weeders, Trowels, Knives, Shears, etc., see page 62.

Henderson's Immensity

Luxuriant grower, consequently tender, sweet, crisp.

The plant and head are not only of phenomenal dimensions, but also of the finest quality, even the outer leaves being tender. Slow to run to seed and maintains that crispness of texture and sweetness of flavor so much desired. It has good heat resisting qualities, which carries it safely through the hot summer. It is not early, but is absolutely reliable for a late crop at a season when other varieties are hard to procure.

Pkt., 10c.; oz., 20c.; ¼ lb., 50c.



HANSON'S (showing head cut in two).

DEACON.

Heads very solid and of excellent flavor, remains in condition for use as long as any variety in cultivation. Plant medium sized, with very few outer leaves, which are deep green and very thick, while the inner ones blanch to a bright yellow and are exceedingly well flavored, crisp and tender. This is certainly one of the best varieties for summer use.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

EARLY TENNIS BALL.

The plant is small, of rapid growth, and should be used as soon as large enough, as it quickly runs to seed. Leaves dark green, thick and crisp. One of the best for growing under cover, and for forcing.

Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

BROWN DUTCH.

Forms a large, solid head, sweet, tender and of good flavor. Outer leaves tinged with brown. Very hardy.

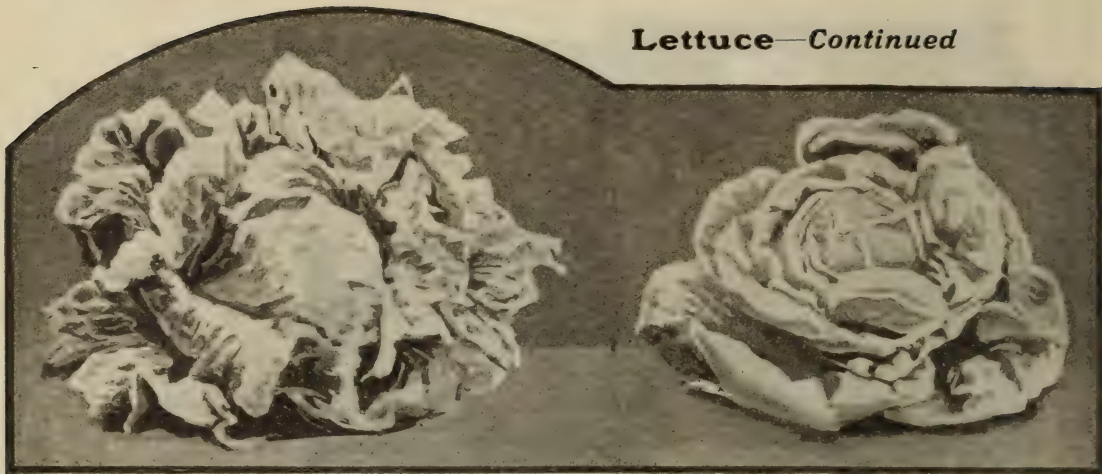
Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

WHITE PARIS COS.

A distinct variety, forming oval, upright heads, largest near the top. It is hard, tender and crisp, and does not run to seed so quickly as other Cos varieties.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Lettuce—Continued



PORTLAND SEED CO.'S CRISPETTE.

(Engraving from photograph.) 'MAY-KING.

Portland Seed Co.'s New Crispette

In offering this new lettuce we firmly believe we have a variety that will appeal to all lovers of this vegetable. It is a beautiful lettuce, the quality of which is simply perfect. The large, curly leaves, which cover the outside of the solid heads, are of a bright, light green. The unusual solidity of the heads is insured by the large, white, main ribs of the leaves, each of which, curving strongly toward the center, makes it impossible for the leaves to open outward and expose the center, which will always be found crisp, tender, sweet and melting. It matters not whether grown to head, in the early spring or the hottest days of summer, the leaves are always crisp and tender (see cut).

Pkt., 10c.; oz., 25c.; ¼ lb., 60c.

May King

A grand new Butter Lettuce.

A large growing, smooth leaved, richly flavored sort, which we believe to be the best of all smooth leaved Lettuces. Plant, light green, with round leaves, which form into a very solid, compact, round head; stands a long time without running to seed. Leaves very thick, folded or puckered at the base, inner ones blanch to a rich, golden yellow. Exceedingly rich, tender and buttery. Fine for open ground or forcing (see cut). Pkt., 10c.; oz., 25c.; ¼ lb., 60c.

LARGE DRUMHEAD.

One of the largest heading kinds, but the heads are not so solid as the Hanson or Deacon.

Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., 90c.

Crispette, Sweetest and Best

Portland Seed Co.

Gentlemen: I have tried many different kinds of Lettuce but none that ever equaled P. S. Co.'s New Crispette for quality and size. The heads would weigh from one to two pounds each, as solid as cabbage and the sweetest I ever ate. The other seeds I got at the same time as the Lettuce all grew well. Yours truly,

Mrs. J. Fred Emmett, Stratford, Washington.

July 21, 1906.



NETTED GEM.

Muskmelons

CULTURE—Cultivate as recommended for cucumbers, except that the hills should be six feet apart. Rich earth for the young plants is far better than manure, but if the latter is to be used, see that it is well rotted.

Rocky Ford or Netted Gem

The most popular and best seller among Muskmelons. The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh thick, green, very sweet and highly flavored. The fruit is wonderfully uniform in shape and quality. Grown largely in Colorado and shipped in carload lots all over the country. The favorite with market gardeners everywhere.

Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

Small Green Nutmeg

A variety ripening early. Flesh green, fine and sweet. Superior for the early market, or family garden, and a favorite for hotels and restaurants. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Osage or Miller's Cream

One of the finest flavored melons in cultivation, and highly recommended. Without question the sweetest of all melons. The flesh is of a rich salmon color, very sweet and melting in quality.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., 90c.

Paul Rose or Petoskey

Something new; created by a cross between the Netted Gem and Osage; fruit oval, about five inches in diameter, rich orange in color, sweet and highly flavored.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Cassaba—True Stock

This is an excellent melon and much sought after. Large, rather oblong; well ribbed; skin thin, netted and of greenish yellow color; flesh two to three inches thick, delicious and melting. None better.

Pkt., 10c.; oz., 25c.; ¼ lb., 60c.; lb., \$2.00.

WELL-KNOWN AND POPULAR VARIETIES.

	Pkt.	Oz.	¼ lb.	Lb.
Jenny Lind. Extra early; flesh green, fine flavor.....	5c.	15c.	40c.	\$1.25
Extra Early Hackensack. Flesh green, delicious, juicy and sweet; medium size.....	5c.	15c.	35c.	1.00
Large Yellow Cantaloupe. Early and productive; flesh salmon color, rich, sweet.....	5c.	15c.	35c.	1.00
Emerald Gem. Medium size; early; flesh yellow, rich, sweet.....	5c.	15c.	40c.	1.25
Bay View. Large; flesh green, sweet and delicious.....	5c.	20c.	50c.	1.50

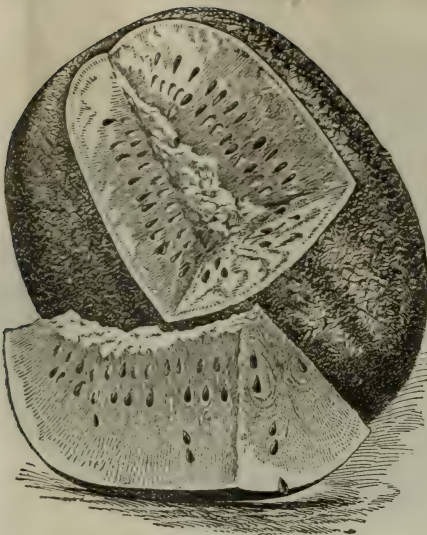
Watermelon

CULTURE—The Watermelon, in its origin and habits, is similar to the Muskmelon, and should receive the same cultivation and treatment, except that the hills should be further apart.

Portland Seed Co.'s Oregon Queen

Plant our Oregon Queen and be sure of a crop of rich, sweet melons. We believe this is the best watermelon for Oregon, and especially the Willamette Valley. It is hardy, early and very productive. Fruit oval, good size. Color dark green. Flesh bright red, crisp, sweet and of splendid quality. You will be pleased with this excellent melon.

Pkt., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.



FORDHOOK EARLY.

A fine, extra early melon. Fruit of good size; skin dark green; flesh bright and crisp, sweet and good quality; rind thin but tough. Good shipper.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

CUBAN QUEEN.

A very fine variety, growing to a great size; flesh bright red, solid and sweet. The skin is beautifully striped dark and light green. Melons are wonderfully solid; rind thin. They are enormously productive and ripen early.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 70c.

ICE CREAM, or PEERLESS.

A grand favorite and standard variety. Superior in every respect. Has beautiful crimson core, which is always fine grained; cannot be surpassed in flavor; very prolific, magnificent grower; is one of the best for market and home purposes.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

WELL-KNOWN AND STANDARD VARIETIES.

	Pkt.	Oz.	¼ lb.	Lb.
Dark Icing. Early, round, solid, with thin, dark green skin; of superb quality.....	5c.	10c.	20c.	70c.
Ferry's Iceberg. A good shipper. Flesh rich, tender and sweet; color dark green.....	5c.	10c.	25c.	75c.
Gray Monarch, or Long White Icing. Very large; long; crimson flesh.....	5c.	10c.	25c.	65c.
Florida Favorite. Large and long; rind firm; flesh deep red.....	5c.	10c.	25c.	75c.
Kentucky Wonder. Oblong; flesh scarlet, crisp, tender, rich.....	5c.	10c.	25c.	75c.
Kolb's Gem. Almost round; flesh sweet; rind dark; good shipper.....	5c.	10c.	20c.	60c.
Phinney's Early. Early, hardy, a sure cropper; flesh pink, very sweet, tender and crisp.....	5c.	10c.	25c.	65c.
Gypsy, or Georgia Rattlesnake. Oblong, dark and striped; bright red flesh.....	5c.	10c.	20c.	65c.
Citron (Red or Green Seeded). Round and handsome; for preserving only.....	5c.	10c.	25c.	75c.

Mushroom Spawn

With intelligent care and good spawn, Mushrooms can be made to pay handsomely. They can be successfully grown in a dry cellar, under the benches of a greenhouse, or in sheds, where the temperature can be kept from 50 to 60 degrees through the winter. Our free pamphlet gives general instruction.

LAMBERT'S PURE CULTURE.

A new kind of spawn, without a doubt the best; much superior to the common English. It comes in bricks, weighing about 20 ounces. These are broken up into pieces the size of a walnut and put into the bed one foot apart each way. White, Cream Brown, or Light Brown.

Price, per brick, 25c.; postpaid, 35c.; by express, not prepaid, 5 bricks, \$1.00.

FRENCH.

Put up in 3-lb. boxes, by express, \$1.50. The same, loose 60c. per lb., postpaid.

Mustard

Used alone as "greens," or with cress as salad. Sow any time in the spring, in rows, and thin out as necessary.

SOUTHERN GIANT CURLED. We offer a fine strain of the true curled leaf.

WHITE ENGLISH. Leaves mild, tender when young; seeds yellow.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c.



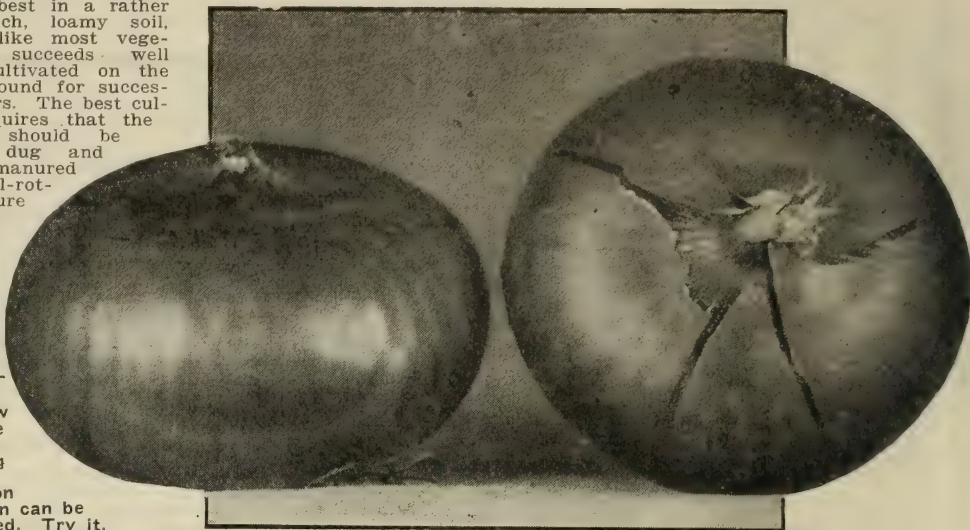
MUSHROOM CULTURE

We furnish a four-page pamphlet free; a small booklet for 15c.; a complete book for \$1.10.

Purest Seeds**Onions****Highest Test**

CULTURE—The onion thrives best in a rather deep, rich, loamy soil, and, unlike most vegetables, succeeds well when cultivated on the same ground for successive years. The best culture requires that the ground should be deeply dug and heavily manured with well-rotted manure a season or two previous. Sow as soon as ground can be prepared in the spring.

The best that grow
We pride ourselves
on selling the very
best Onion
Seed than can be
produced. Try it.



OREGON YELLOW DANVERS (from Photograph).

Onion Seed—Short Crop

The 1906 crop of Onion Seed is the shortest ever reported. Onion Seed Growers both East and West, as well as Foreign, all report the same—"Crop almost a failure." Contract orders will all be filled very short and the prices have necessarily advanced considerably. We have placed our prices as low as possible, in fact, so low that we doubt if we will have enough seed to run us through the season. You better buy early. Onion Seed offered this year at last year's prices will certainly be old seed. Choice, new seed cannot be bought at less than prices attached below.

Unequaled

Portland Seed Co. Feb. 10. 1906.

Gentlemen: I have planted your garden seeds for several years and they are good. I have raised the Oregon Yellow Danvers Onions for several years and I cannot find any onion that will keep as well. I raised them in 1904 and they kept sound until November, 1905, and then they got frozen. I have a good word for the Portland Seed Company. Yours truly,

MRS. MARY R. DOLBY,
Medical Springs, Ore.

March 3, 1906.

Gentlemen: Send me the same kind of Onion Seed that you have for the last four years. There can be no better Onion Seed produced. Respectfully yours,

W. A. DERRY,
Van Buren, Wash.



AUSTRALIAN BROWN.

✓ Oregon Yellow Danvers

This is the variety planted almost entirely in the Northwest, particularly in Oregon. The largest crops of onions and the best keepers, bringing the highest prices in the Oregon and California markets are the Oregon Yellow Danvers. The bulbs are uniformly large, of a half-globe in shape, with small necks.

It is the earliest, largest in size, most perfect in shape, the largest cropper and the best keeper, and as a market or table onion cannot be excelled.

Our seed is grown specially for us by the best onion seed growers in Oregon. No onion grower can afford to plant anything inferior when such seed can be obtained.

Pkt., 5c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00.

✓ Extra Early Red Flat

The first Red Onion to Ripen.

A medium sized, flat variety; an abundant producer and very uniform in shape and size; moderately strong flavored, and comes into use nearly two weeks earlier than the Large Red Wethersfield. Very desirable for early market use.

Pkt., 5c.; oz., 20c.; 1/4 lb., 60c.; lb., \$1.75.

Australian Brown

Since its introduction, a few years ago, it has become one of the most popular and most sought after onions in many markets. Its remarkable keeping qualities and handsome appearance have brought it rapidly to the front. This onion resembles the Oregon Yellow Danvers in general appearance, but has a clear, amber-brown skin that attracts buyers. It matures early, ripens uniformly, and will keep in good condition longer than any other onion. We offer the true, genuine seed, Oregon grown.

Pkt., 5c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00.

✓ Yellow Globe Danvers

A very handsome, round or globe-shaped variety, of large size, with thin, yellowish skin, white flesh, fine grained, mild, very firm, and the best of keepers. It ripens early and sells readily at the highest prices.

Pkt., 5c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00.

Large Red Wethersfield

A standard variety, one of the most productive kinds, even in poor soil. Its good keeping qualities render it one of the best for shipping.

Pkt., 5c.; oz., 20c.; 1/4 lb., 60c.; lb., \$2.00.

Every one who plants Onion Seed in quantity should have a good Seed Drill. They soon pay for themselves in seed and labor saved. See pages 59 to 62.

REMEMBER—You cannot buy 1906 Crop Onion Seed at less than our list.

Onions—Continued



PRIZETAKER.

✓ **Prizetaker—The Genuine**

The Handsomest and Largest Yellow Globe Onion.

A new variety introduced but a few years ago, which has proved to be an excellent keeper, of fine flavor, handsome shape and enormous size. A perfect globe shape, with a bright straw colored skin; the necks are very small and the onions always ripen up hard.

Pkt., 5c.; oz., 25c.; ¼ lb., 65c.; lb., \$2.25.

✓ **WHITE PORTUGAL, or SILVER SKIN.**

A good variety for family use; skin and flesh pure white; mild flavor and flat shape. The best white Onion; also grown largely for sets.

Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

Sweetest Ever

Taft, Oregon, Nov. 23, 1906.

Portland Seed Co., Portland, Ore.

Gentlemen: The trial package of cabbage,

P. S. Co.'s First Crop, gave good satisfaction.

It is the sweetest cabbage we have ever raised.

Yours very truly,

C. F. HALL.

WELL-KNOWN AND POPULAR ONIONS.

	Pkt.	Oz.	¼ lb.	Lb.
Yellow Danvers. Largely planted. Flesh fine grained; mild; white; good keeper.....	5c.	20c.	60c.	\$2.00
Extra Early Barletto. A small, pure white, mild onion; fine for pickles.....	5c.	20c.	60c.	2.00
White Globe. Flesh very white, fine, rich and sweet; fine keeper.....	5c.	25c.	70c.	2.25
Giant Rocca. Large, globe shaped; skin reddish-brown; flesh mild, sweet flavored.....	5c.	20c.	60c.	2.00
Mammoth Silver King. Very large and attractive; skin white; flesh fine grained and mild.....	5c.	20c.	60c.	2.00
Queen. If sown thick, produces small, very firm bulbs, the best of all for pickling; if given more room, matures an excellent onion that will keep all winter.....	5c.	20c.	60c.	2.00

Onion Sets**BOTTOM ONION SETS.**

Small onions grown from seed that has been sown too thick to attain a large size. The small onions (about ½ inch in diameter) thus obtained are planted out and are ready in a short time to pull as green onions for the table or bunched for the market. If left to stand they make ripe onions of the best quality, and come to maturity some six weeks earlier than a crop grown direct from the seed. Yellow sets are most in demand, but Red and White are used to some extent.

Per lb., 25c.

TOP SETS.

Produced in clusters.

Per lb., 30c.

SHALLOTS.

Valuable for bunching or for an early crop. The smallest sets make fine bulbs of good size, while the larger ones produce a cluster of small to medium sized bulbs. Light brown skin; mild, white flesh.

Per lb., 30c.

Okra or Gumbo**IMPROVED DWARF GREEN.**

Very early, with long, green, slender pods.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

WHITE VELVET.

The pods are smooth or very slightly ribbed, large; remain tender a long time.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

**Parsley**

Very useful for flavoring soups, meats, and for garnishing. The green leaves are used for flavoring, or they may be dried crisp, rubbed to a powder, and kept in bottles until needed.

FINE TRIPLE-CURLED, or MYATT'S GARNISHING.

A fine, free growing, but not large variety. The plants bear a great number of leaves, which are so abundant and so finely curled that they resemble a bunch of moss.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

CHAMPION MOSS CURLED.

A compact growing, finely cut and much curled variety of a bright green color.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

TURNIP-ROOTED, or HAMBURG.

The root, which resembles a small turnip, is the edible portion of this variety. Extensively grown and used for flavoring soups, etc.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

For Free Premiums, see inside front cover.



TRIPLE CURLED PARSLEY.

PORTLAND'S FINEST LAWNS

are produced by planting our "Diamond Brand" Fancy Mixed Lawn Grass Seed. See page 51.

Select Stock

We pay postage on Peas in 10c. packets only. If ordering by mail in large quantities, add 10c. per pound for postage.

Look up
NITRO-
CULTURE.
It's great for
Peas; see
page 32.

Garden Peas**Select Stock****Alaska or Earliest of All**

Earliest and best of all early smooth varieties. A smooth, blue pea, which in evenness of growth of vine and early maturity of the pods is unequalled by any other extra early pea. Vines two to three feet high, unbranched, bearing four to seven long pods, which are filled with medium-sized, bright green peas of excellent flavor. A great favorite with our market gardeners for fall and early spring planting.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

First and Best

Unsurpassed for early and even ripening. One of the best for market gardeners, as the whole crop ripens within a few days, so that the ground may be cleared and another crop planted. About forty-five days is the average from planting until the whole crop is ready for market; very hardy; height 2 to 3 feet.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.00.

Edward VII**A Delicious New Early Pea**

A grand, new, early Pea, grown for us by one of the greatest pea growers in Europe. You can depend on it, this new variety is of special merit or it would not be recommended by our grower, who has attained a national reputation on peas. Of all the early dwarf peas, Edward VII produces the largest pods and more of them. Pods resemble Stragem in color and size and are remarkably well filled with deliciously flavored peas. Height, 15 inches. (See outside front cover.)

Pkt., 15c.; ½ lb., 20c.; lb., 30c.

American Wonder

The earliest and best of the wrinkled sorts. A great favorite for family use. Has stout, branching vines, about nine inches high, and covered with well filled pods containing seven or eight large, exceedingly sweet, tender and well flavored peas; height, 12 to 15 inches.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

McLean's Little Gem

A sweet, wrinkled pea, coming in a little later than the American Wonder; grows taller and continues in bearing longer. The quality of the pea is very superior. Height, 15 inches.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

ALASKA.

**New Pea
Thomas Laxton**

A new, early, wrinkled variety of great merit. The vine grows about three feet high, much like that of the Gradus, or Prosperity, but more hardy and greatly more productive. Pods large, long, with square ends—larger, longer and handsomer than those of any other early sweet pea. The green peas are very large, fine colored and unsurpassed in splendid quality. We are certain that this pea needs only to be known to become one of the most popular sorts for the market gardener and home garden. It certainly is one of the very best Early Peas ever produced.

Pkt., 10c.; lb., 25c.; 10 lbs., \$2.00.

Gradus

This extra early, wrinkled pea bears pods of large size, and combines quality with earliness. It is very hardy; can be planted fully as early as the smooth peas; grows vigorous and healthy; vines 2½ feet in height; very prolific. The quality and flavor are delicious, and the peas remain tender and sweet for a long time.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

McLEAN'S ADVANCER.

Favorite with Cannerymen.

A green, wrinkled sort, bearing fine, broad pods. Comes in next after the Gem. Popular market kind, and used extensively by canners. Height, 2½ feet.

Pkt., 10c.; lb., 15c.; 10 lbs. \$1.25.

Gardeners who buy Peas in quantity should send list of amount wanted for special prices.



THOMAS LAXTON.

Peas—Continued

Add 10c. to pound prices if wanted by mail.

Nott's Excelsior

The best early dwarf pea. It combines to a wonderful degree the good qualities of the American Wonder and Premium Gem Peas. The vines are larger and more productive than American Wonder and earlier than Premium Gem. The peas, in sweetness and quality, are unsurpassed. The most desirable sort for the market gardener, and unexcelled for the home garden. Very hardy. It outyields them 20 to 30 per cent. The pods are one-third longer, and each pod contains from six to nine large peas, which are usually fine flavored and tender.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

PREMIUM GEM.

One of the earliest dwarf, green, wrinkled varieties. Similar to Little Gem.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

BLUE PETER.

Grows about nine inches high; extremely early; pods good length and well filled. The ripe peas are blue, smooth, round, fair size.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

DWARF TELEPHONE.

Dwarf Telephone is the famous old Telephone without its long vines; of healthy, stocky growth; very productive; pods large, broad, straight and remarkably well filled with large, sweet peas of delicious flavor; very desirable.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.75.

Portland Seed Co.'s**Magnificent**

This is another new Pea from Europe, and is just what the name signifies, a magnificent pea. A robust grower, producing in astounding profusion large, handsome, deep green pods closely packed with luscious, tender, sweet peas. A grand medium early pea for the home and market garden. You will not be disappointed in the new variety. Try a packet at least.

Pkt., 15c.; ½ lb., 20c.; lb., 35c.

Be Wise

Save time, money and labor by using a Planet, Jr., Combined Seeder and Cultivator. See page 60.

NOTT'S EXCELSIOR.**Yorkshire Hero**

One of the largest, sweet, wrinkled kinds; vines strong and spreading; pods of good size and well filled; much in use, and has enjoyed a long popularity; medium late; bears a long time; height two and a half feet.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20

Improved Strategem

One of the best of the large podded peas; the pods are of immense size, filled with large, dark green, wrinkled peas of the finest quality; vine medium height, but very stocky, with very broad, light green leaves, and bearing an abundance of large, handsome pods.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

CHAMPION OF ENGLAND

Very rich and fine flavored; very productive; wrinkled; height 4 to 5 feet.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

SUGAR PEAS.**Edible Podded Peas.**

These peas have broad, fleshy pods that are broken and cooked like string beans. They are sweet and tender and of a luscious flavor served with butter sauce.

Dwarf Gray Sugar. Pods large, sweet and tender; vines dwarf; gray seeded.

Pkt., 10c.; lb., 25c.

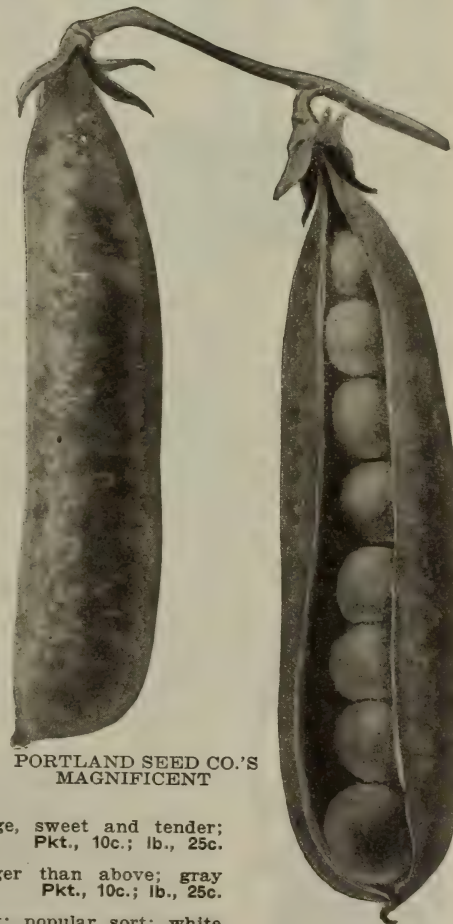
Giant Sugar. Taller and larger than above; gray seeded.

Pkt., 10c.; lb., 25c.

Melting Sugar. Medium height; popular sort; white seeded. Crop short this year.

Pkt., 10c.; lb., 30c.

Gardeners who buy Peas in quantity should send list of amount wanted for special prices.



Peas—Continued



P. S. CO.'S PERFECTION.

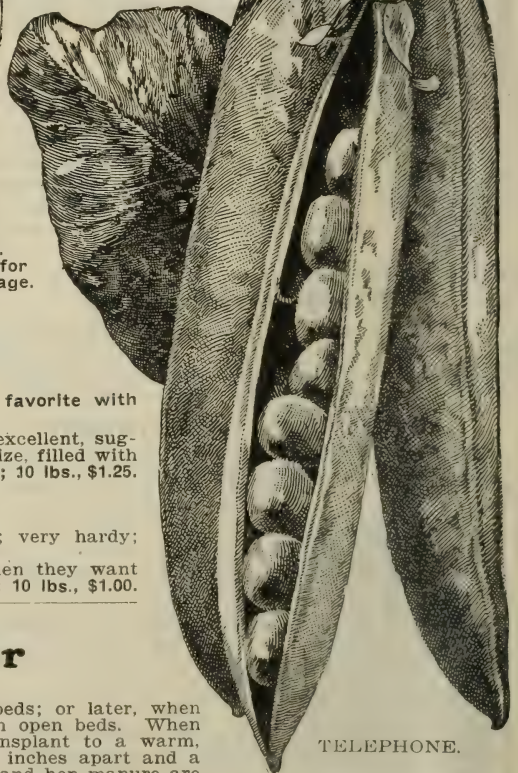
P. S. Co.'s Perfection

By careful selection of seed stock we have made this superb, wrinkled pea one of the great leaders. There is probably no better late variety now under general cultivation. It attains a height of about 2½ feet, and is esteemed for good quality and productiveness. The pods are long, handsome, and wonderfully well filled, and are produced in great abundance. The peas are of unusually large size and delicious flavor; eight to ten to the pod. Cannot be overpraised as a standard medium or late sort for the table or canning or for market purposes.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

NITRO-CULTURE
It's great for
Peas.
See page 32.

By
mail,
10c.
per lb.
extra for
postage.



TELEPHONE.

Telephone

Produces those handsome, long pods. A great favorite with our market gardeners.

Immensely productive, of the finest quality and excellent, sugary flavor. vines very strong; the pods are of large size, filled with large, luscious peas; height, 4 feet. Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

BLACK-EYED MARROWFAT.

A smooth, light colored pea with a black eye; very hardy; yields heavily; height 3 feet.

Note.—Some buyers ask for Marrowfat Peas when they want the large, sweet wrinkled sorts. Pkt., 10c.; lb., 15c.; 10 lbs., \$1.00.



CAYENNE.



RUBY KING.

Pepper

Sow the seeds early in hotbeds; or later, when the weather becomes warm, in open beds. When two or three inches high, transplant to a warm, mellow soil, in rows, eighteen inches apart and a foot apart in the row. Guano and hen manure are excellent fertilizers and will greatly increase the yield.

	Pkt.	Oz.	¼ lb.
Ruby King. Very large, sweet and mild; bright scarlet.....	5c.	25c.	75c.
Large Bell or Bull Nose. Large, mild, thick fleshed variety.			
One of the best for stuffed pickles	5c.	25c.	65c.
Golden Dawn. Bright, golden yellow; very productive; entirely free from fiery flavor.....	5c.	25c.	75c.
Sweet Spanish or Mountain. Of the largest size, bright scarlet, Excellent for pickling and stuffing.....	5c.	25c.	75c.
Cayenne. Pods long; bright red; very pungent and used very largely with pickles when green.....	5c.	20c.	70c.
Chili. Pods small and pointed; brilliant scarlet; very pungent when ripe	5c.	25c.	75c.

For premiums and specials see inside front cover.

Pumpkins

CULTURE—Care should be taken to keep the different varieties apart, and also to keep them well separated from other vining plants, as they readily amalgamate and deteriorate.

WINTER LUXURY.

The best flavored pie pumpkin grown; enormously productive; excellent keeper; medium size; color, golden-russet, finely netted; flesh deep golden, sweet, tender and very thick; none better. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

LARGE YELLOW, or CONNECTICUT FIELD.

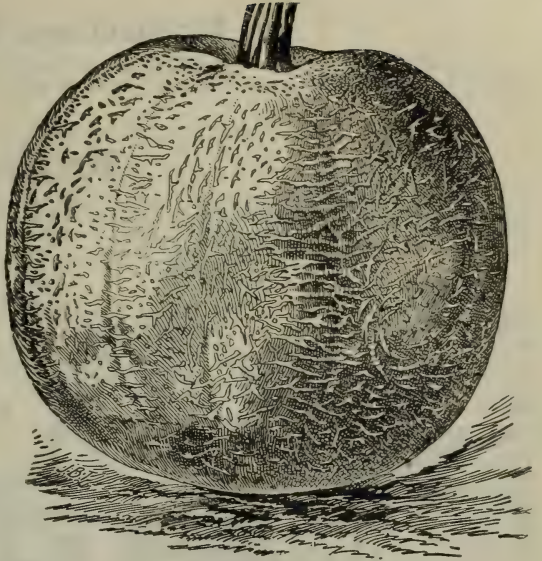
Large, round; deep, glossy yellow. Vines vigorous and very productive; good keeper. Grown extensively for stock feeding.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 40c.

MAMMOTH TOURS.

A productive French variety; grows to an enormous size.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



WINTER LUXURY.

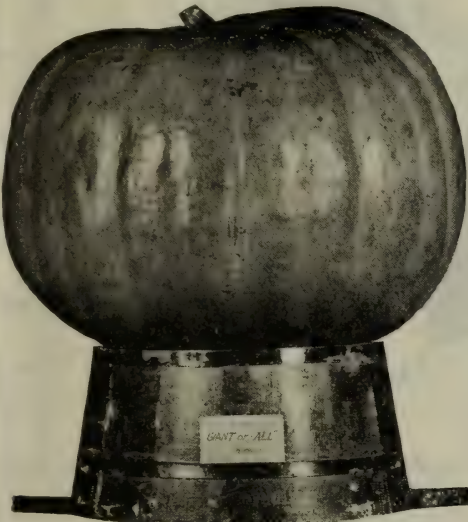
LARGE SWEET CHEESE.

A popular variety. Fruit flattened; skin mottled light green and yellow. Flesh yellow, thick, tender; very nutritious and of excellent quality; a most productive variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

SWEET, or SUGAR.

A handsome and productive small Pumpkin, 10 to 12 inches in diameter; round flattened; skin orange; flesh, deep yellow, fine grained and very sweet.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.



GIANT OF ALL.

Giant of All

A new Imported variety and a giant among Mammoths.

This colossal Pumpkin is almost a globe in shape. The skin is of a beautiful, rich, golden yellow; flesh firm, fine grained and deep yellow, sweet flavored, very thick and of excellent quality for so mammoth a variety. These Pumpkins attain an enormous size and will carry away the prizes at your county fairs.

Large pkt., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.

TENNESSEE SWEET POTATO.

Pear shaped; flesh thick, cream white, fine grained and of excellent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.

Parsnips

The Parsnip is nutritious and wholesome, with a sugary sweetness peculiar to itself, and is superior both for the table and stock feeding. It yields a large crop, and is said to be more valuable for dairy cows than either the carrot or turnip. As the seed germinates very slowly, sow as early in spring as possible in drills fifteen inches apart on deeply cultivated, rich, loamy soil. Keep clear of weeds and thin to three or four inches apart. The roots are improved by freezing.

LONG WHITE DUTCH, or SUGAR.

Root very long, white, smooth, tender, sugary, and of most excellent flavor. Very hardy; will keep through winter without protection.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

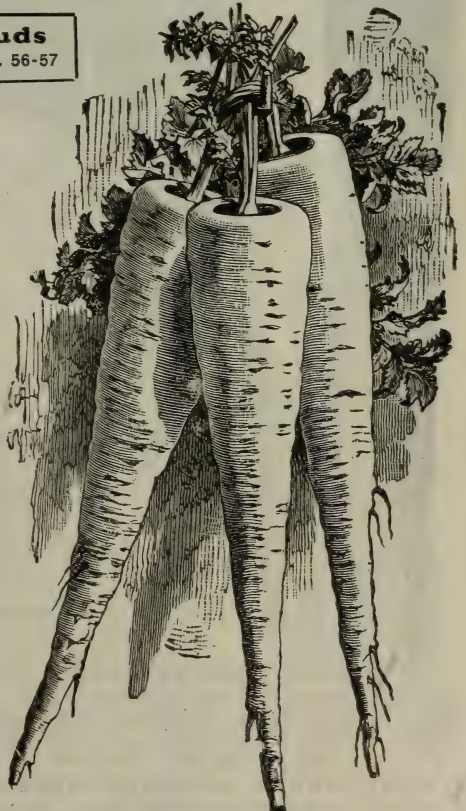
HOLLOW CROWN, or GUERNSEY.

Root white, very tender, with a smooth, clear skin. The variety is easily distinguished by the leaves growing from a depression on the top or crown of the root.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Spuds

See pp. 56-57



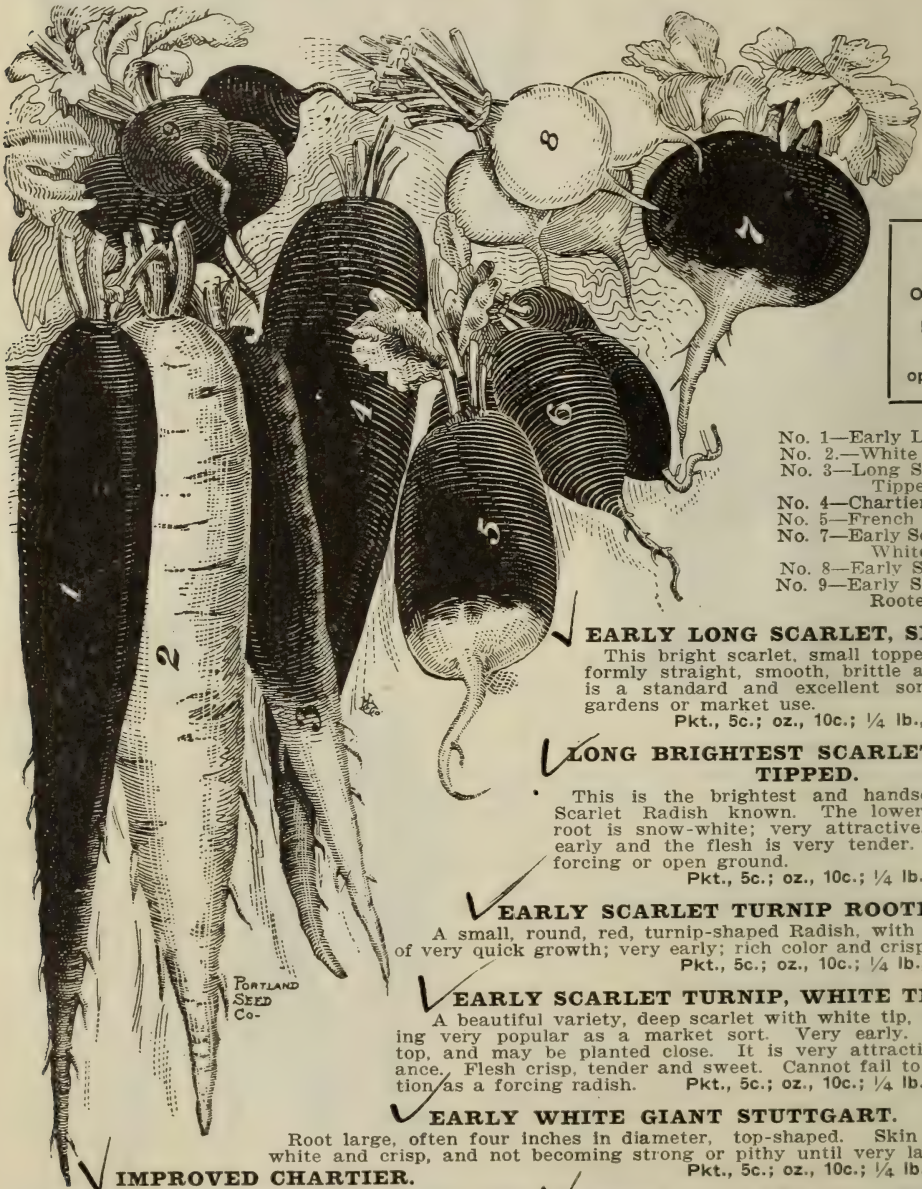
HOLLOW CROWN.

Potatoes for Seed

You will find Seed Potatoes described and priced on pages 56 and 57. This year our stock of Seed Potatoes is larger than ever, and stock is unusually fine. Be sure you look over our list before you send in your order.

Radishes

To secure Radishes with crisp, tender flesh, grow them quickly, in rich, loose soil, and gather before reaching full size. Our radish seed is strictly of the finest grade, being grown from carefully selected roots. Frequent planting should be made for succession, so that a supply of fresh, tender radishes in the finest condition may be had at all times.



ONE
PACKET
EACH OF
OUR THREE
NEW
RADISHES
FOR 20c.
See
opposite page.

- No. 1—Early Long Scarlet.
- No. 2—White Strasburg.
- No. 3—Long Scarlet, White Tipped.
- No. 4—Chartier.
- No. 5—French Breakfast.
- No. 7—Early Scarlet Turnip, White Tipped.
- No. 8—Early Snowball.
- No. 9—Early Scarlet, Turnip Rooted.

✓ EARLY LONG SCARLET, SHORT TOP.

This bright scarlet, small topped sort is uniformly straight, smooth, brittle and crisp, and is a standard and excellent sort for private gardens or market use.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

✓ LONG BRIGHTEST SCARLET, WHITE TIPPED.

This is the brightest and handsomest colored Scarlet Radish known. The lower third of the root is snow-white; very attractive. It is extra early and the flesh is very tender. Valuable for forcing or open ground.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 65c.

✓ EARLY SCARLET TURNIP ROOTED.

A small, round, red, turnip-shaped Radish, with small top and of very quick growth; very early; rich color and crisp, tender flesh.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

✓ EARLY SCARLET TURNIP, WHITE TIPPED.

A beautiful variety, deep scarlet with white tip, and is becoming very popular as a market sort. Very early. Has a small top, and may be planted close. It is very attractive in appearance. Flesh crisp, tender and sweet. Cannot fail to give satisfaction as a forcing radish.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

✓ EARLY WHITE GIANT STUTTGART.

Root large, often four inches in diameter, top-shaped. Skin white; flesh white and crisp, and not becoming strong or pithy until very late.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

✓ IMPROVED CHARTIER.

Roots long, tapering, and attaining a very large size. Of rapid growth; remains crisp and tender till fully grown. Color, scarlet above, shading into white at the tip. Flesh white and mild flavored.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

✓ LADY FINGER, or WHITE VIENNA.

Of rapid growth and beautiful shape. Skin and flesh snow white; very juicy, firm, crisp and tender; the finest of Long White Radishes.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 70c.

✓ FRENCH BREAKFAST, or HALF LONG.

Medium size, quick growth, crisp and tender; lower end and taproot white.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

✓ WHITE STRASBURG.

One of the best of the large summer sorts. It covers a long season, as it is good when quite small. The roots are long, very white, crisp and tender.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 70c.

You get \$1.25 worth of Seeds for \$1.00 in packets and ounces; see inside front cover.

Radishes—Continued**Three Excellent New Radishes
One Pkt. Each for 20c****✓ Early Snowball**

A grand improvement on the White Box or White Turnip Radish which has been so popular for several years. It is the most handsome in shape, very early and has but few leaves. It is of clear white color, solid, juicy, crisp, tender and unsurpassed in flavor. A good sort for forcing.

Pkt., 10c.; oz., 15c.; ¼ lb., 30c.; lb., 90c.

Early Crimson Giant

The Largest Early Scarlet Turnip-Shaped Radish.

A new, early Radish, double the size of any of the early turnip-shaped type, but, notwithstanding its immense size, does not get hollow and pithy. The flesh is a sparkling white, solid, crisp, juicy and of the mildest flavor. The shape of the bulb varies from round to almost oval, but the bright, deep crimson color of the skin remains quite constant. Excellent for both forcing and open ground.

Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

✓ White Icicle

This superb, new radish is the finest and longest of the very early, pure white varieties. Planted in the spring, the young radishes are ready for use in twenty to twenty-five days; their long, slender form and pure paper-white skin are most attractive when bunched for market. This radish is not only crisp and tender when young, but also retains these qualities until the roots attain large size. It is ready for use almost as quickly as the early turnip-shaped sorts, and is excellently adapted for forcing purposes or successive sowing in the open ground, and gives a continuous supply of tender, crisp radishes for the table or market throughout the season.

Pkt., 10c.; oz., 15c.; ¼ lb., 30c.; lb., 90c.



WHITE ICICLE.

Winter Radishes**CALIFORNIA MAMMOTH WHITE CHINA**

This is the largest of all Radishes. Roots grow 10 to 12 inches long and are solid, tender and crisp. Keeps well through winter.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 70c.

✓ CHINA ROSE WINTER.

One of the best fall and winter varieties; a favorite with market gardeners; bright rose color; flesh white, firm and of superior quality.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

✓ LONG BLACK SPANISH.

A long, black-skinned variety; flesh white and slightly pungent. One of the latest and hardest.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

✓ ROUND BLACK SPANISH.

Skin black, roots globe shaped; white fleshed and pungent flavor.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

All We Claim

Portland Seed Co.

May 28, 1906.

Gentlemen: I planted half of the packet of "White Icicle" Radish Seed you so kindly sent me for a trial. I planted part on new ground where a fire had been, and part on ground that had been planted in cabbage last year. That planted on the new ground was ready to use about five days earlier than the other. I cannot say enough in praise of this radish, for crispness, earliness and flavor. I find they retain their crispness for a long time after being ready to use. Yours respectfully, MRS. M. T. McDONOUGH, Brookfield, Wash.

Portland Seed Co.

July 28, 1906.

Gentlemen: The Snow Ball Radish is as fine a radish as we ever used. It is a quick grower and very brittle. A good radish for this climate. Yours truly, F. J. SMITH, Bly, Ore.

For Ruta Baga—See Page 31**Rape, Dwarf Essex**

For description and price, see page 53.

Rhubarb or Pie Plant

CULTURE—Rhubarb succeeds best in deep, rich, somewhat retentive soil. The richer its condition and the deeper it is stirred the better. Sow in drills an inch deep and thin out the plants to six inches apart. In the fall transplant the young plants into very highly manured and deeply stirred soil, setting them four to six feet apart each way, and give a dressing of coarse manure each spring. The stalks should not be plucked until the second year and the plant never allowed to exhaust itself by running to seed.

VICTORIA, or MAMMOTH.

Very large; finest cooking variety. Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; lb., \$1.50.

RHUBARB ROOTS.

From October to June we can always supply one or two-year-old Rhubarb Roots. Customers wanting only a few dozen roots for home gardens will save much valuable time by ordering roots instead of seed. For prices, see page 78.

The Reason Our Business Grows

The Dalles, Ore., Jan. 1, 1906.

Gentlemen: We used your seeds with great satisfaction last year. Yours truly,

MRS. A. M. ROBERTS.

Silverton, Wash., June 8, 1906.

Gentlemen: The seed I got from you has always been satisfactory and came up fine. I wish to thank you for the premiums sent me. We have

been so much more successful than our neighbors, thanks to your good seed. Yours truly, MRS. J. W. HENDRICKS.

Snohomish, Wash., July 8, 1906.

Gentlemen: The seed I purchased from you last spring was fine. I never had any better. I was more than pleased with it. Yours respectfully, H. P. W. MARTIN.



Squash Summer Varieties

CULTURE—The plants are very tender and sensitive to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but squash is less particular as to soil. The summer varieties should be planted four to six feet apart each way, and the winter sorts eight to ten feet. Three plants are sufficient to a hill.

MAMMOTH SUMMER CROOKNECK.

Early, prolific; solid, curved neck; skin yellow, thin, hard and warty; flesh tender and of good quality. Twice as large as the ordinary Crookneck and several days earlier. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

WHITE SUMMER CROOKNECK.

Similar to the Summer Crookneck, but of a beautiful ivory white and unsurpassed quality.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

EARLY YELLOW MAMMOTH BUSH SCALLOP.

An early, flat, scallop-shaped variety; color yellow; flesh pale yellow and well flavored; very productive.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

MAMMOTH WHITE BUSH SCALLOP.

The best summer sort for the market; very productive and of good size.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.



BUSH SCALLOP SQUASH.

New Delicious

This new fall and winter Squash resembles the old Hubbard, having a dark, olive green, hard shell; average weight is between five and ten pounds. Seed cavity small; flesh exceedingly thick, compact, fine grained; color, golden orange. The paramount merit of this variety is surpassing quality. The flesh is meaty, granulated, tender, and almost of mealy dryness, cooking sweet and rich, whether steamed, baked, boiled or made into pies. This variety may be used in the fall, but in winter the quality is at its best. Pkt., 15c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.

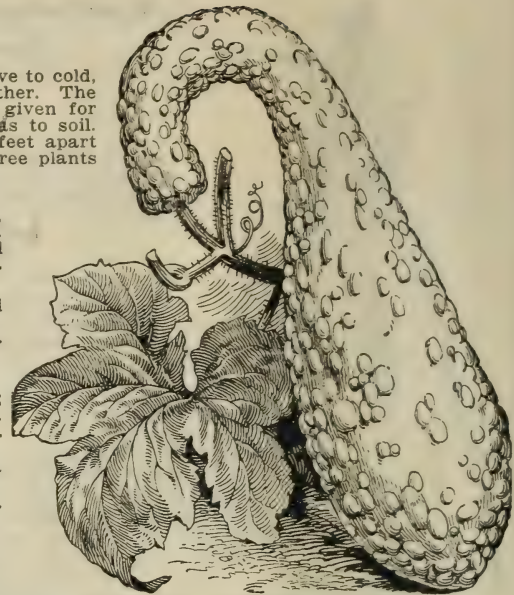
True Hubbard

The best seller and most popular variety on our list. Rind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior for winter use, as it keeps perfectly through the winter. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

Golden Hubbard

The same in size, shape and quality as the well-known Hubbard Squash, except that it is a bright red or golden color, and somewhat earlier. It is also a long keeper. Considered by expert judges to be one of the very best fall and winter sorts yet introduced. Matures before the frosts; is vigorous and wonderfully productive. In flavor it has no equal.

Buy Portland Seed Company's Choice Seeds, grown especially for western planters.



MAMMOTH SUMMER CROOKNECK.

BOSTON MARROW.

Skin yellowish, very thin; flesh dry and fine grained; of unsurpassed flavor.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

FORDHOOK.

One of the best winter Squashes; fine quality.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

SIBLEY, or PIKE'S PEAK.

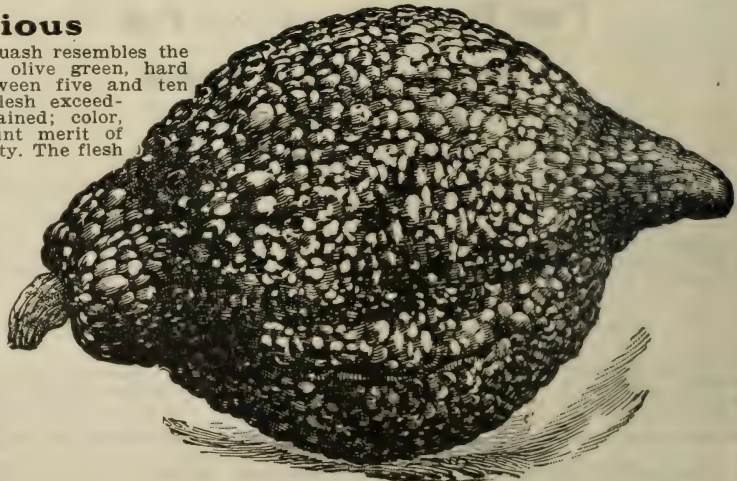
Shell smooth, thin and of a pale green color; the flesh is thick, solid, deep orange color; very dry, fine grained and delicate flavor.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

MAMMOTH CHILI.

The largest of all Squashes, growing to an enormous size, often weighing over 200 pounds, while its rich, fine flavored flesh insures its value for all purposes. Its size makes it valuable for stock feeding.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.



TRUE HUBBARD SQUASH.

R+B



SPINACH

Spinach

This is an important gardeners' crop, of easy culture. For spring and summer use. sow either broadcast or in drills one foot apart and one inch deep, as early as the ground can be worked, and every two weeks for a succession.

✓ IMPROVED THICK LEAVED.

A variety which grows very rapidly, forming a cluster of large, very thick, slightly savoyed leaves of fine color and quality when cooked. Best for market gardeners. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

FOUR GOOD SORTS ALL AT ONE PRICE.

Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

✓ **Victoria.** Leaves large, tender and of good quality; good market sort.

✓ **Prickly Winter.** Hardest variety; may be sown in the fall; seed prickly; leaves long, pointed, thick and succulent.

✓ **Long Standing.** An improved variety for general use; slow going to seed.

✓ **Savoy Leaved.** Very early; of upright growth; leaves pointed. Plant in the autumn for spring use; grows quickly.

Gardeners get special prices; state amount wanted.

Salsify or Vegetable Oyster

Salsify is a nutritious and wholesome vegetable, having the appearance of a small parsnip; in flavor closely resembling oysters, for which it is, in that respect, a good substitute. It is rapidly coming into more general use. Sow early in spring, in drills a foot apart, and when two or three inches high thin out to three or four inches. Its general culture is the same as that recommended for carrots. The roots are perfectly hardy and may remain in the ground during winter, or may be stored in dry earth or sand.

MAMMOTH SANDWICH ISLAND.

The leading variety; produces a large crop of straight, smooth roots.

Pkt., 5c.; oz., 15c.; 2 oz., 25c.; ¼ lb., 40c.; lb., \$1.25.

LARGE WHITE.

An early kind; tender and excellent.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.10.

Sorghum or Sugar Cane

See page 57.

Sunflower See page 57.

Tobacco

Sow the seed thinly in beds, as early as they can be well prepared, transplanting when six inches high to rows four feet apart each way. Cultivate thoroughly.

CONNECTICUT SEED LEAF.

Hardy, and the best adapted to cool localities, and for general use.

Pkt., 5c.; oz., 20c.; 2 oz., 35c.; ¼ lb., 60c.; lb., \$2.00.

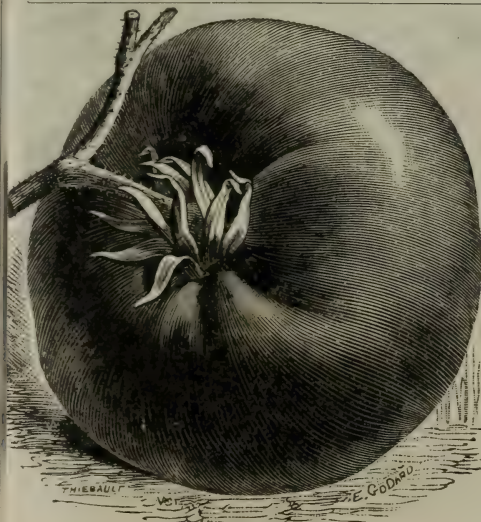
HAVANA.

Of fine texture and delicate flavor.

Pkt., 5c.; oz., 35c.; ¼ lb., \$1.00.

25c WORTH OF SEEDS FREE

with every \$1.00 sent for Seeds in Packets and ounces. See inside front cover. Remember, in packets and ounces only.



NEW STONE.

Tomato Plants

We have, in season, strong, hardy plants. See price list of Vegetable Plants, in index.

Tomatoes

CULTURE—Sow early in hotbeds, and as soon as they have four leaves transplant into shallow boxes. Harden off, and set out as soon as danger of frost is past.

Spark's Earliana

The Earliest, Large, Smooth Tomato.

The most perfect of all tomatoes. Of large, uniform size and beautiful red color. Quality almost beyond praise. Ripens thoroughly all over, the stem-end coloring up perfectly. Almost seedless and very solid. A most vigorous grower and heavy bearer, continuing until frost. Succeeds everywhere, and especially recommended for this coast.

The above claims may seem strong, but they have been abundantly proved by thousands of planters who have grown this grand tomato since its introduction several years ago.

Spark's Earliana is as near seedless as any tomato, giving but 12 to 15 pounds of seed to the acre, while other varieties yield from 75 to 100 pounds per acre. For this reason the genuine seed can never be sold at a low price.

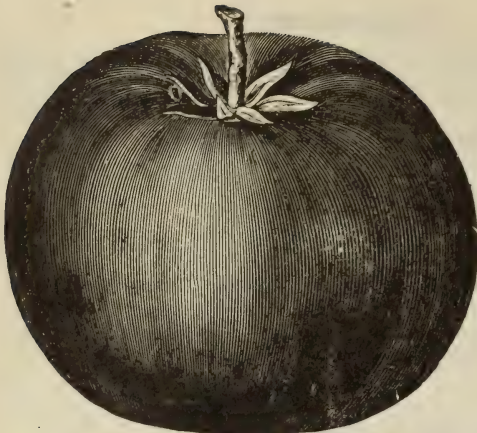
Pkt., 15c.; oz., 30c.; ¼ lb., \$1.00.

New Stone

The Greatest Canning Tomato in the World.

This variety has obtained great popularity with canners, growers and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color a desirable red. In shape, perfectly smooth and thicker from stem to blossom end than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in highest terms of its beautiful color, its wonderful yielding properties, its unequalled firmness, or some other of its good points.

Pkt., 5c.; oz., 20c.; ¼ lb., 70c.



FORDHOOK'S FIRST.

LIVINGSTON'S PERFECTION.

One of the best; medium early, round, uniformly smooth; vines very productive; fruit deep scarlet, firm and of excellent quality. Vines continue long in bearing.

Pkt., 5c.; oz., 20c.; ¼ lb., 70c.

WELL-KNOWN STANDARD VARIETIES.

	Pkt.	Oz.	¼ lb.
Acme. The well known, standard, bright pink Tomato	5c.	20c.	\$0.60
Dwarf Champion. Dwarf, upright growth; smooth, purple fruit.....	5c.	35c.	1.00
Golden Queen. This is a first-class large, smooth, pure yellow Tomato	5c.	25c.	.75
Husk Tomato, or Ground Cherry. Used mostly for preserves	5c.	30c.	1.00
Livingston's Beauty. Large; a good quality; deep red in color.....	5c.	25c.	.75
Livingston's Favorite. Excellent for general crop; bears heavily.....	5c.	20c.	.75
Yellow Pear, Yellow Plum, or Red Cherry. Small; shape of fruits named.....	5c.	30c.	.75

Tomatoes—Continued**NEW BOOK.**

"Tomato Culture—Western," by Littooy; only 40c. postpaid, or free with a \$5.00 order. See inside front cover.

Atlantic Prize

In point of earliness, this undoubtedly takes the lead. In size, shape and color it compares favorably with later sorts. Color, bright red.

Pkt., 5c.; oz., 20c.; ¼ lb., 70c.

Quarter Century

A grand, new, dwarf tomato. The fruit is large and heavy and superior in flavor; color, deep red. Fine for home or garden.

Pkt., 5c.; oz., 30c.; ¼ lb., \$1.00.

Early Michigan

An extremely smooth and perfectly shaped Tomato; very early; vines strong and vigorous.

Pkt., 5c.; oz., 20c.; ¼ lb., 70c.

Fordhook First

A splendid variety, especially adapted for cool moist or heavy soils. Plants of strong, running growth; fruit, three inches in diameter, perfectly smooth and free from cracks; quite thick through and richly colored deep purple. Very fleshy and of the finest flavor. Produces smooth, solid, handsome fruit of superior quality, earlier than most other early sorts.

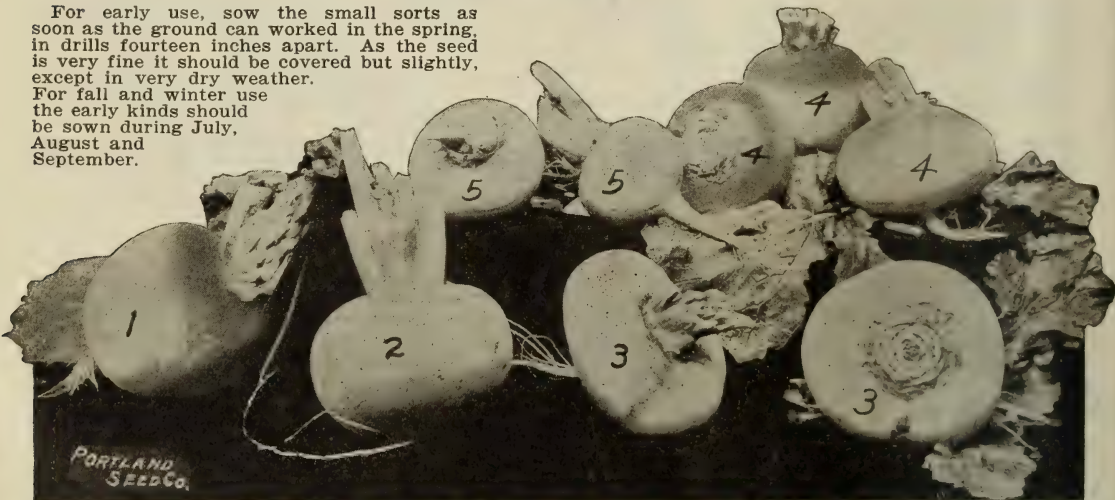
Pkt., 5c.; oz., 20c.; ¼ lb., 75c.

F&B

Turnips

For early use, sow the small sorts as soon as the ground can worked in the spring, in drills fourteen inches apart. As the seed is very fine it should be covered but slightly, except in very dry weather.

For fall and winter use the early kinds should be sown during July, August and September.



No. 1—Purple Top White Globe.

No. 2—Yellow Aberdeen.

No. 3—White Flat Dutch.

No. 4—Purple Top Strap Leaf.

No. 5—Orange Jelly.

Extra Early Purple Top Milan

This variety is ready for the table sooner after planting than any other yet introduced. Top small, erect, strap-leaved; bulb a deep purple above, white underneath; flesh white, firm and delicate.

Pkt., 5c.; oz., 15c.; ¼ lb., 25c.; lb., 80c.

WHITE MILAN.

Same as above, but pure white, sweet and tender.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.

Early White Flat Dutch

One of the best and most universally grown. Small, erect top, round, flat; purplish red above, white underneath; flesh firm, but very tender and sweet. Of quick growth, it is soon ready for the table and keeps well. (See cut.)

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Early Purple Top

(Strap Leaved.)

A leading, white fleshed variety, and one of the best, either for the family, market garden or field crop. It is medium size, and produces a large crop. The flesh is firm, but tender, and of a superior rich, buttery flavor. A good keeper. (See cut.)

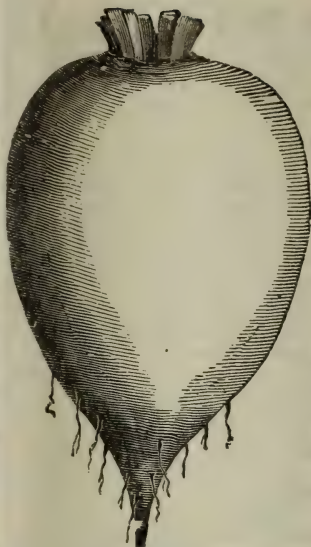
Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 60c.

Orange Jelly

Or Robertson's Golden Ball.

Undoubtedly one of the most delicate and sweetest yellow fleshed turnips yet introduced. Not of large size, but firm, hard and most excellent flavor. Keeps well and is superior as a table variety. It is extensively used. (See cut.)

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.



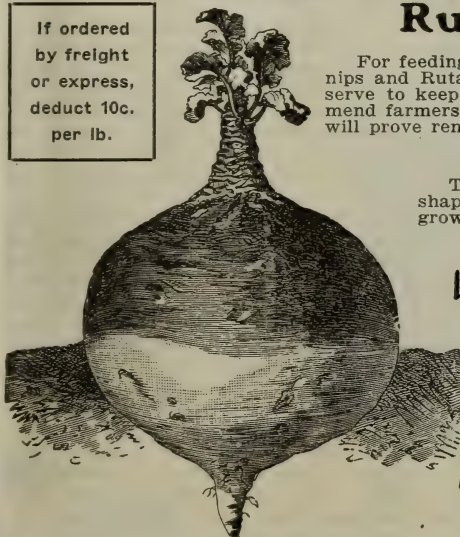
WHITE EGG.

COWHORN.

Sometimes called Long White. Slightly crooked. Pure white except a little shade of green at the top. Grows half out of the ground and is of very rapid growth. Is delicate and well flavored. Has proved itself one of the best stock turnips ever introduced in Oregon, as it is an immense yielder.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

If ordered
by freight
or express,
deduct 10c.
per lb.



PURPLE TOP RUTA BAGA.

Turnips—Continued

PURPLE TOP WHITE GLOBE.

A large, globe-shaped variety; purple above the ground. It is handsome and of excellent quality, and recommended both for the family garden and field crop. (See cut, page 30.)

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

White Egg

Is perfectly smooth, of a pure, clear white, growing half out of the ground, and at times to the size of a Ruta Baga, being a very choice kind for table use; of excellent flavor, sweet and mild. Pulls clean from ground; thin, snow white skin. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

POMERANIAN WHITE GLOBE.

One of the most productive kinds, and in good, rich soil roots will frequently grow to 12 pounds in weight. It is of perfect, globe shape; skin white and smooth; leaves dark green and of strong growth.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

LARGE AMBER GLOBE.

One of the best for general crop; flesh firm and sweet; grows to a large size; excellent for table use or for feeding stock. Keeps well.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

YELLOW ABERDEEN.

Round, medium size; light yellow. Produces a large crop; is hardy and keeps well; flesh very firm, but tender and sweet. A great favorite with the dairymen. (See cut.)

Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 50c.

LARGE WHITE FLAT NORFOLK.

A round, flat, white variety, usually attaining a very large size. Extensively grown for stock feeding. The leaves are also used for greens. It is hardy, and may remain in the ground all winter. Yields a very large crop.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Profitable Dairying

A practical guide for successful dairy management, by C. L. Peck, a well-known, practical dairyman who has made a marked success. It is a valuable and up-to-date work and nicely illustrated; 5x7 inches, 174 pages, cloth bound.

Price, postpaid, 85c.

Ruta Bagas, or Swedes

For feeding stock in fall and winter, there is nothing superior to Turnips and Ruta Bagas, as they are much liked by all kinds of stock and serve to keep them in good condition. We cannot too earnestly recommend farmers to increase their sowings largely, for we are sure the crop will prove remunerative.

MONARCH, or TANKARD.

This is a yellow fleshed sort, having very large, tankard-shaped roots; flesh very solid, fine grained, of fine flavor; grows well out of the ground and yields large crops.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

SKIRVING'S RUTA-BAGA.

Enormously productive; flesh yellow, solid and sweet. One of the best for field culture.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

WHITE SWEET RUSSIAN.

This variety is most excellent, either for table or stock. It grows to a very large size; flesh white, solid, of a firm texture, sweet and rich; an excellent keeper.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

IMPROVED AMERICAN PURPLE TOP.

The leading standard variety, being very distinct in type, attaining a wonderfully large size; immense yielder. The flesh is very firm, superior in every way, valuable alike for all purposes.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Tree Seeds

NURSERY MEN:

We offer only fresh, new crop Seeds. Growers wanting large quantities should give us their orders early. Quantity price on request.

Single Pound Prices are by Mail, Postpaid.

APPLE SEED.

French Crab.

Oz., 10c.; ¼ lb., 30c.; lb., 75c.

Native.

Lb., 55c.

CHERRY PITS.

Mazard.

(Short crop, sold out.)

Mahaleb.

Oz., 10c.; ¼ lb., 25c.; lb., 85c.

PEACH PITS.

For nursery stock

Lb., 20c.; 100 lbs., \$2.25.

PEAR SEED.

(Pyrus Communis.) The best imported for nursery stocks.

Oz., 15c.; ¼ lb., 45c.; lb., \$1.50.

PEAR SEED—Native.

Oz., 20c.; ¼ lb., 50c.; lb., \$2.50.

PLUM PITS.

(Prunus Myrabolano.) For nursery stock.

Oz., 10c.; ¼ lb., 25c.; lb., 65c.

QUINCE SEED.

Oz., 20c.; ¼ lb., 50c.; lb., \$2.00.

BOX ELDER, OR ASH LEAF MAPLE.

(Acer negundo.)

Oz., 10c.; ¼ lb., 25c.; lb., 85c.

LOCUST.

Yellow or black.

Oz., 10c.; ¼ lb., 20c.; lb., 60c.

Honey.

Oz., 10c.; ¼ lb., 20c.; lb., 60c.

WALNUTS, ENGLISH—Imported.

Lb., 90c.

Herb Seeds—Pot, Sweet and Medicinal

Herbs in general delight in rich, mellow soil. Those marked with a (*) are perennial, and when once obtained in the garden may, with a little attention, be preserved for years. Sow the seeds early in the spring in shallow drills, one foot apart. We offer some of the most useful and popular. They should be cut on a dry day, just before they come into full bloom, and tied in bunches and hung up or spread thinly on a floor where they can dry quickly. Prices include postage.

All the following Herbs, 5c. per packet.

	Oz.	¼ lb.		Oz.	¼ lb.
Anise. Seeds aromatic	10c.	25c.	Hyssop. Medicinal qualities	25c.	75c.
*Balm For culinary purposes	25c.	65c.	*Lavender. For fragrance	20c.	50c.
Basil—Sweet.	15c.	45c.	Marjoram. Sweet	15c.	50c.
Borage. Leaves for flavoring	15c.	40c.	*Rosemary. Aromatic oil	30c.	
Caraway. For flavoring	15c.	25c.	*Rue. Medicinal qualities	20c.	50c.
Catnip. (Cat Mint)	35c.	\$1.00	Sage. Much used	20c.	45c.
Coriander. (Aromatic)	10c.	25c.	Saffron	20c.	
Dill. Used medicinally	10c.	20c.	Sorrel. Used in salads	20c.	
*Fennel. (Sweet)	10c.	25c.	Summer Savory	10c.	35c.
Fenugreek. For flavoring	10c.		Tansy. Used in bitters	30c.	
*Horehound. Bitter, for tonic	20c.		Thyme. (Broad leaved)	30c.	
			*Wormwood. Medicinal use	20c.	

Herb Seeds for Flavoring

ANISE.

Anise seed for flavoring. ¼ lb., 15c.; lb., 45c.

CARAWAY.

We keep constantly on hand a large stock of well preserved seed for the use of Druggists, Bakers and Confectioners.

¼ lb., 15c.; lb., 35c.; 100 lbs., market price.

CORIANDER.

Coriander seed for flavoring.

½ lb., 20c.; lb., 35c.; 100 lbs., market price.

DILL.

Dill seed for flavoring. ½ lb., 25c.; lb., 45c.
Used to flavor soups, stews and pickles. The leaves possess similar qualities, and can be used in the same manner as the seeds.

POPPY.

Seed used for flavoring. ½ lb., 25c.; lb., 35c.
Persons who use these seeds in quantity should write for prices.

New Discovery

A new, sure and easy way has recently been discovered to make worn-out or poor land enormously productive. Plants need nitrogen and cannot grow without it. Heretofore fertilizers have been needed to put nitrogen into the soil. Nitrogen is very necessary—is the most expensive part of fertilizers. The new way is easier, surer, cheaper—it is to let nitrogen-gathering germs feed the plants.

The soil is full of air. Air is four-fifths free nitrogen. Think what limitless plant food, in the form of free nitrogen, the air contains. Right here the new discovery comes in. Plants cannot extract nitrogen from the air, but there are germs that can. These germs have been discovered and are now being used for that purpose. These germs, when

Nitro-Culture Doubles Your Crops

put into the soil, fasten themselves to the roots of the plants, draw the free nitrogen out of the air, and feed it to the plants. That's the secret of the new way that is making many farmers rich. The germs do the work—the farmer gets the profit. They save expense, reduce the work, increase the crop enormously, even make it possible to grow Alfalfa and other crops where they never would grow before.

The new way saves the cost of nitrogenous fertilizers and is very easy to use. The germs come ready for use, in a form called Nitro-Culture, put up in small dry packages you can put in your vest pocket. Simply add it to water, and sprinkle the water over the seeds before planting. The germs remain on every seed—live with it—increase about it—feed the roots when they start and keep on feeding them. They also enrich the soil by storing nitrogen in it, so that the second year's crop, whatever it may be, is increased from two to ten times.

NITRO-CULTURE is especially prepared only for the following crops: Alfalfa or Lucerne, Red Clover, Alsike Clover, White Clover, Field Peas, Garden Peas, Sweet Peas, Garden Beans, Vetch.

When ordering state which of the above named seeds you desire to inoculate, so that the proper bacteria may be forwarded.

Price List

Trial package, ⅛ to ¼ acre, 50c; acre package, \$1.50;
5-acre package. \$5.00.

SPECIAL GARDEN SIZE.

We can also furnish 25c. packages for Garden Peas and Beans and Sweet Peas.

Complete directions with each package.

Space will not permit us to go into detail regarding this new discovery, but we will gladly mail free pamphlets and booklets giving full information and reports from those who have used it. This is no fake; the United States Department of Agriculture indorse it.



ROOTS SHOWING EFFECT OF INOCULATION WITH NITRO-CULTURE.

(Taken from a photograph by the United States Department of Agriculture.)

FLOWER SEED DEPARTMENT

CHOICE NEW AND STANDARD VARIETIES.
CULTURE

Cultural directions are printed on the back of nearly all packets.

Flowers usually succeed best in a sandy loam, made rich with well rotted manure, which should be made fine and thoroughly mixed with the soil. A soil thus prepared will remain moist and loose, so that flower seeds, which are generally small and delicate, will germinate and grow with vigor.

A hotbed or cold frame is very convenient to start seeds in, as the temperature and moisture can be so regulated as to make their germinations and rapid growth more certain. Most seeds do well if sown in boxes in a sunny window in the house.

Plants are usually ready to be transplanted when they have made a growth of two inches.

Annuals bloom and ripen the first year, and then they perish. Many annuals in warm climates, or when taken in, or protected during winter, become perennial, with but short lives, however.

Biennials do not generally flower the first year, and are in perfection only one year.

Perennials continue to flower several years in succession.

Hardy Annuals, Biennials and Perennials can be sown in the open ground early in the spring, if

desired, and Biennials and Perennials do not require any protection in winter.

Half-Hardy Annuals, Biennials and Perennials should not be sown in open ground until settled, warm weather, though they can be sown in the house, if desired, early, and afterwards transplanted. The two latter, need be protected in the winter, or carried over until spring in cold frames or greenhouses.

ACROCLINIUM, or Everlasting Flower.

Elegant, annual, everlasting, producing beautiful daisy-like flowers, resembling the Rhodanthe. Fine for winter bouquets. Gather when partially opened, and dry in the shade. Height, ten to fifteen inches.

Mixed. All colors Pkt., 5c.

AGERATUM.

Fine for bouquets and useful for beds, borders and pot plants. The flowers are graceful tufts of fine petals that remain fresh a long time after being cut. The plant blooms all summer. Half hardy annual; six to eighteen inches high. (See cut.) Plants in season.

Mexicanum Nanum. Light Blue, White or Mixed Pkt., 5c.; ¼ oz., 15c.

AGROSTEMMA.

Strikingly beautiful for beds, ribbons and borders. Its graceful, pink-like flowers remain fresh a long time after being cut, and are very handsome in bouquets. Thrives in any soil. (See cut.) Coronaria. Perennial Pkt., 5c.

ALYSSUM.

Every garden should have plenty of Sweet Alyssum; its small, white flowers, borne in great profusion, are delicately fragrant and valuable for cutting; it is a good basket and pot plant, and valuable for carpet bedding. In the border sow thickly so as to make a mass. It is desirable to sow the seeds early in spring or even the previous autumn. Hardy annual. (See cut.) Plants in season.

Maritimum. Sweet Pkt., 5c.; oz., 30c.

Maritimum. Little Gem .. Pkt., 5c.; oz., 50c.

Procumbens. Of trailing habit; profuse bloomer .. Pkt., 10c.; ¼ oz., 20c.

Saxatile. Perennial. Yellow flowers Pkt., 5c.; ½ oz., 30c.



Ageratum.

AMARANTUS.

Our warm summers suit admirably the varieties of Amarantus cultivated for ornament. These are plants which are striking on account of their foliage or peculiar mode of bloom.

Cruentus. Handsome, erect flowers Pkt., 5c.

Melancholicus Ruber. Deep red foliage; dwarf. Pkt., 5c.

Caudatus. Graceful, drooping flowers Pkt., 5c.

Tricolor, or Joseph's Coat. Foliage scarlet, yellow and green Pkt., 5c.

AMMOBIUM.

One of the hardiest everlastings. The flowers are not large, but beautiful in form, and pure white; very desirable for winter bouquets. An easily grown annual. Pkt., 5c.



Alyssum.

ANEMONE CORONARIA.

Beautiful, spring flowers. Fine for cutting. Hardy perennial. Mixed Pkt., 5c.

ARABIS, or Rock Cress.

The earliest, prettiest, spring flower. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unequaled for rockeries or edgings; withstands the drought and is always neat. Alpina. (See cut) Pkt., 5c.

Auricula, or Primula Auricula.

Beautiful, spring-blooming flowers. Hardy perennial. Fine Mixed Pkt., 15c.

Finest Mixed Pkt., 25c.

Asparagus Plumosus, or Asparagus Fern.

One of the prettiest house plants. The leaves are bright green, gracefully arched, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. (For plants see Plant Department.) Pkt., 25c.; 25 seeds, 50c.

Asparagus Sprengeri, or Emerald Feather.

New. Perhaps the best new plant introduced in ten years. Feathery foliage; useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting; grows freely the whole year round. (For plants see Plant Department.) Pkt., 10c.; 25 seeds, 25c.



Agrostemma.



Arabis Alpina.

Our Flower Seeds come from the best American and foreign growers.

ASTERS.

Popular and well known. As a fall-blooming annual it has no superior; produces a profusion of flowers of a great variety of rich colors and shades; of varied and beautiful form. The late flowers are usually the best, and to sustain the plant it should have rich soil and abundant moisture. Half hardy annual. We have thousands of Aster plants in season—see Plant Department.

Chrysanthemum Flowered. Half dwarf; of compact growth; flowers large, abundant and later than many sorts. White, Scarlet, Lilac, Rose or Mixed Pkt., 10c.; ¼ oz., 60c.

Giant Comet. One of the handsomest of the tall growing sorts; flowers large and beautiful; petals long and twisted. Rose, Crimson, Light Blue, White or Mixed....Pkt., 10c.; ¼ oz., 50c.

Hohenzollern. New class, with very large handsome flowers. Branching comet types.

Mixed Pkt., 10c.; ½ oz., 40c.
German Quilled. The well-known, common, double, quilled Aster. Mixed, all colors Pkt., 5c.; ¼ oz., 25c.

Simple's Late Branching. A magnificent strain; flowers large, beautiful, double, and borne on long stems. (See cut.) White, Rose, Crimson, Blue or Mixed Pkt., 10c.; ¼ oz., 35c.

Truffaut's Paeony Perfection. Very popular; flowers large, double, beautiful; petals curve inward. White, Crimson, Light Blue, Rose or Mixed Pkt., 10c.; ¼ oz., 50c.

American. Late branching type; long petaled flowers, feathery in aspect; very desirable. Mixed Pkt., 10c.; ¼ oz., 35c.

Improved Victoria. Flowers large, beautifully imbricated and perfect in form. Crimson, Rose, White, Light Blue, Mixed. Pkt., 10c.; ¼ oz., 60c.

Perennial Aster. Mixed colors. Pkt. 10c.; ¼ oz., 75c.

BALLOON VINE.

A rapid, graceful climber, with inflated seed pods; flowers white. Tender annual. Pkt., 5c.; oz., 25c.

To grow strong, healthy Plants, use our Plant Food. See page 64.



Carnation.



Simple's Branching Aster.

BALSAM.

Ladies' Slipper, or

Touch-Me-not.

Exceedingly attractive and handsome plants, producing masses of various colored flowers. Half hardy annual. (See cut.)

Tall Double Camellia Flowered Mixed Pkt., 5c.; ¼ oz., 25c.
Dwarf, Double, Mixed Pkt., 5c.; ¼ oz., 25c.

BACHELOR'S BUTTON, or Centaurea Cyanus.

A hardy annual, easily cultivated. Has recently been greatly improved, and now produces handsome

Balsam.

flowers of a great variety of rich colors. Borne on tall, branching stems, with but little foliage. Striking and handsome.
Cyanus. Fine single mixed. Pkt., 5c.; oz., 25c.
Cyanus. Fine double mixed. Pkt., 5c.; oz., 25c.
Cyanus. Alba, single white. Pkt., 5c.; oz., 35c.
Cyanus Azurea Pkt., 5c.

Briza Maxima.

Handsome ornamental grass. Fine for winter bouquets. Pkt., 5c.

Brachycome.

Swan River Daisy. A charming flower in white and blue varieties. The plants grow about twelve inches in height and bloom freely. They make elegant border plants.

Choice Mixed Pkt., 5c.

BEGONIAS.

Begonias are among the most beautiful of flowering plants, especially adapted to pot culture.

Choice Single or Double Mixed Pkt., 25c.
Rex. Ornamental leaved varieties; very handsome. Mixed Pkt., 25c.

CARNATIONS.

Universally admired, deliciously fragrant. Unsurpassed for richness and delicacy of form and color. (See cut.) For Plants, see pages 65-80.

Extra Choice Double Mixed. Pkt., 20c.; ½ oz., 75c.
Fine Double Mixed Pkt., 10c.; ½ oz., 35c.
Margaret. Mixed Pkt., 10c.; ½ oz., 30c.
Margaret, Double White, Red or Rose Pkt., 10c.; ½ oz., 75c.

Margaret, Double Yellow. Pkt., 25c.; 1-16 oz., \$1.25.

25c worth of Seeds FREE with each \$1.00 order. See inside front cover.



Castor Bean.



Candytuft.



Calceolaria.



Canterbury Bells.

Browallia.

Handsome, free flowering annual. Covered all summer with bright, rich blue and white flowers. Worthy of more general cultivation. Eighteen inches high.

Mixed Pkt., 5c.

CALLIOPSIS, or Coreopsis.

Very showy and attractive. Always covered with a mass of bright flowers. A fine cut flower.

Choice Mixed Dwarf Annual. Pkt., 5c.; ¼ oz., 20c.

Choice Mixed Double Annual Pkt., 10c.; ¼ oz., 20c.

Lanceolata. A perennial, blooming the first year; flowers rich yellow, single; very fine for cutting Pkt., 10c.; ¼ oz., 35c.

CALCEOLARIA.

Very handsome and much admired. Produces a profusion of beautiful flowers of unique form and colorings. Fine for pot culture. (See cut.)

Hybrida. Finest Mixed Pkt., 50c.

CALLA.

Devoniensis. New. A fine calla that will bloom from seed in one year. (See cut.) For Calla Bulbs, see Plant Dept. Pkt., 15c.; 25 seeds, 50c.

Canna.

Ornamental, tropical looking plants of easy culture, large and beautiful flowers. Hardy perennial. (See cut.) For Canna Bulbs, see Plant Dept.

Crozy's New Large Flowering Mixed Pkt., 10c.; oz., 35c.

Canary Bird Flower.

Climbing plant with graceful foliage and yellow blossoms. Half-hardy annual. Pkt., 5c.; ¼ oz., 15c.

CALENDULA, or Pot Marigold.

The well-known Pot Marigold, valued by Europeans for flavoring soups and stews. Flowers are dried in fall and kept in paper bags for use. In mild climates this plant will bloom nearly all the year round. Plant in early spring in open ground.

Double Mixed Pkt., 5c.; ½ oz., 20c.

Catchfly, or Silene.

A hardy annual, yielding for a long time a profusion of umbels of bright colored flowers. The plant is covered with glutinous moisture, to which flies adhere; hence its name.

Fine Mixed. All colors.....Pkt., 5c.; oz., 25c.

CENTAUREA.

Candidissima. This sort is prized for its handsome silver foliage. Half-hardy perennial Pkt., 10c.; ½ oz., 25c.

Odorata Chameleon. Grown for its handsome, fragrant yellow and rose flowers; superb Pkt., 10c.; ½ oz., 25c.

Margaritae. Flowers pure white, large and handsome, sweet scented Pkt., 10c.; ½ oz., 20c.

Imperialis. A fine, sweet-scented flavoring variety. Hardy annual. All colors mixed Pkt., 10c.; ½ oz., 25c.

There is nothing better or more satisfactory for summer flowers than Dahlias and Gladioli. See pages 75, 76, 77.



Celosia—Cockscomb.



Celosia—Feathered.

CASTOR BEAN, or Ricinus.

Highly ornamental, of stately growth and having large leaves of bronze or glossy green; of very easy culture. (See cut.)

Sanguineus. Brilliant scarlet..Pkt.. 5c.; oz., 20c.

Zanzibariensis. Surpasses all in size and beauty of colors. MixedPkt., 10c.; oz., 20c.

Barboniensis Arboreus.

The largest varietyPkt., 5c.; oz., 30c.

Mixed. Best varietiesPkt., 5c.; oz., 10c.

CANDYTUFT.

Candytufts have long been among the most highly prized of garden annuals. The best effect is produced by raising the plants in masses, and the seeds are sown where the plants are to bloom. (See cut.)

Odorata. Sweet scented; white.Pkt., 5c.; oz., 20c.

White Empress. Very sweet and attractive Pkt., 5c.; oz., 40c.

Carmine or Purple Pkt., 5c.; ¼ oz., 15c.

Mixed. All colorsPkt., 5c.; oz., 20c.

Sempervirens. Perennial. White Pkt., 10c.; ½ oz., 25c.

CANTERBURY BELLS.

Very ornamental garden plants of the easiest culture; hardy biennial, two and a half feet high, producing large, nodding and charming, bell-shaped flowers of many exquisite shades. (See cut.)

Campanula. Single; mixed. Pkt., 5c.; ¼ oz., 20c.

Campanula. DoublePkt., 10c.; ¼ oz., 50c.

Campanula Calycanthema (Cup and Saucer).

White or mixed Pkt., 5c.; ¼ oz., 50c.

Persifolia. Hardy perennials; very fine; bloom in June. Mixed Pkt., 20c.

CELOSIA, or Cockscomb.

(See cut.)

Graceful, free blooming, half-hardy annuals.

Cristata. Finest varieties. MixedPkt., 5c.

President Thiers. Dwarf, crimson comb.Pkt., 10c.

Celosia, Feathered.

(See cut.)

Plumosa. Mixed colors of great brilliancy.Pkt., 10c.

Ostrich Feathered. MixedPkt., 10c.

Thompson's Superb Feathered. Mixed ..Pkt., 10c.

CHRYSANTHEMUM.

Very showy, effective and desirable as summer flowering plants. Hardy annuals.

Coronaria. Double or single mixedPkt., 5c.

Frutescens. (Marguerite, or Paris Daisy).Pkt., 10c.

Tricolor. Single mixedPkt., 5c.



Cyclamen.



Cineraria.

CINERARIA.

Magnificent and indispensable flowering plants for the window garden. The flowers are of white, blue, violet and crimson shades, covering the plant with a sheet of bloom. (See cut.)

Hybrida. Mixed. Extra choicePkt., 50c.

Clarkia.

Handsone, free flowering annuals of easy cultivation. Produce a fine effect massed in beds. Flowers are very bright and attractive.

Double MixedPkt., 5c.

Clianthus Dampieri.

A fine pot plant, bearing clusters of curiously shaped and very brilliant colored flowers, scarlet with black centers; tender perennial.Pkt., 20c.



Cosmos Klondyke.

COSMOS.

A strong grower, having elegant foliage, and for fall blooming has no superior. Seed sown in March or April and transplanted to open ground will produce plants three to five feet high by September, which thereafter, and until November, will yield hundreds of blossoms three inches across; they are of various shades, from pure white to purplish crimson. Both foliage and flowers are unsurpassed for bouquets and vases. Annual. (Plants in season.) (See cut.)

Klondyke. Blooms very early and continuously; three to four feet high; flowers large, golden yellow and borne on long stems Pkt., 10c.; 1/4 oz., 50c.

Early Dawn. White, slightly tinted pink. Pkt., 10c.; oz., \$1.00

Marguerite. New and odd, very pretty, petals fringed. Mixed. Pkt., 15c.; 1/4 oz., 50c.

Early Blooming. Mixed. Pkt., 5c.; 1/2 oz., 25c.

Mammoth Flowering. White, Pink, Red or Mixed Pkt., 10c.; 1/4 oz., 20c.

Columbine, or Aquilegia.

Commonly known as Honeysuckle. Produces handsome flowers of unique form and many bright and attractive colors. Hardy perennial. Mixed. Best double or single varieties. Pkt., 5c.

Collinsia.

This is an interesting free-flowering, hardy annual. The flowers are in whorls, handsomely variegated in crimson, purple and white.

Mixed Pkt., 5c.

COBAEA SCANDENS.

A handsome, rapid-growing, climbing plant, having large, bell-shaped flowers, beautiful foliage and peculiarly delicate and curious tendrils. (Plants in season.)

Purple Pkt., 10c.; 1/2 oz., 35c.

White Pkt., 10c.; 1/4 oz., 25c.

DAHLIA.

A magnificent, fall - blooming, tuberous - rooted plant, which can be readily started from seed.

For Dahlia Roots, see Plant Department.

Double MixedPkt., 5c.

Single MixedPkt., 10c.

Cactus. New; flowers odd and fantastic in shape; all colors.

Single MixedPkt., 10c.

Double MixedPkt., 20c.

Twentieth Century. New single Dahlias of recent introduction; flowers large and handsome Pkt., 10c.

Datura.

Large, strong - growing plants, trumpet-shaped flowers, white, sometimes tinted with blue. Roots can be preserved in the cellar, like Dahlias.

Double MixedPkt., 5c.

Draceana.

Ornamental, greenhouse plant. Very desirable.

Draco. WhitePkt., 25c.

Indivisa Lineata. Narrow, dark foliage.Pkt., 10c.



Mammoth Cosmos (See cut of plant above).

Coleus.

Probably the best known and most popular of ornamental foliage plants. Leaves all shades and colors. Tender perennial.

Finest Hybrid Mixed Pkt., 25c.

CYCLAMEN.

Beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty but the foliage is also highly ornamental. The colors range through shades of pink, crimson, white, spotted, etc. Delicately fragrant. Bulbs in season. (See cut above.)

Giganteum Hybridum. Mixed Pkt., 25c

Cypress Vine, or Ipomoea Quamoclit.

A climber of rapid growth, having handsome fern-like foliage and a profusion of bright, attractive flowers.

White, Scarlet or Mixed Pkt., 5c; 1/4 oz., 15c.

DAISY, or *Bellis Perennis*.

A well-known and popular, low-growing plant bearing beautiful flowers. Hardy perennial.

- Longfellow. Double red Pkt., 15c.; 1-16 oz., 40c.
 Double White or Mixed Pkt., 15c.; 1-16 oz., 50c.
 Burbank's New Shasta. Very hardy; profuse bloomer; flowers very large and borne on long stems; single; petals pure, glistening white; center dark Pkt., 25c.

ESCHSCHOLTZIA, or California Poppy.

These are among our most beautiful and popular annuals, being of the easiest culture and giving great satisfaction. They commence to bloom within a few weeks time from spring-sown seed and continue to flower profusely until late in the autumn, forming nice, bushy plants, one foot high. (See cut.)

- Californica. Single Yellow, Carmine, White or Mixed Pkt., 5c.; oz., 35c.
 Californica. Double Mixed Pkt., 5c.; oz., 40c.
 Mandarin. Inner side of petals rich orange, outer side brilliant scarlet; very striking Pkt., 5c.; oz., 35c.
 For other sorts, see Poppies.

Echinocystis Lobata, or Wild Cucumber.

A rapid growing climber. Very good for covering old fences or trellises. Hardy annual. Pkt., 10c.

Euphorbia.

- Fine, ornamental, foliage plants. Hardy annual.
 Variegata. Variegated foliage Pkt., 5c.

Eragrostis, or Love Grass.

Ornamental grass, having beautiful, dancing spikelets. Fine for bouquets. Hardy annual Pkt., 5c.

FOX GLOVE, or Digitalis.

A tall, growing biennial, with large leaves, and spikes of vari-colored and spotted flowers. A magnificent plant. Fine for borders or background. Easily grown. Fine Mixed or White Pkt., 5c.; ¼ oz., 15c.

- Gloxineflora Mixed. A very handsome strain; flowers large and beautiful Pkt., 10c.; ¼ oz., 20c.

FOUR O'CLOCK, or *Mirabilis*—Marvel of Peru.

A hardy annual, growing luxuriantly in any ordinary soil, and bearing a profusion of bright, handsome flowers of various colors, shades and markings. Flowers open at four o'clock, close in the morning.

- Choice Mixed Pkt., 5c.; oz., 15c.

**FORGET-ME-NOT, or *Myosotis*.**

Beautiful, spring favorites, of easy growth, bearing clusters of lovely, small flowers. They are perennials and are hardy enough to remain in the open ground except in very cold latitudes. Fine for borders. (See cut.)

- Alpestris. Of trailing habit, with pretty, blue flowers. Blue or mixed Pkt., 10c.; ¼ oz., 25c.
 Palustris. The true Forget-me-not. Pkt., 10c.; ½ oz., 25c.
 Dissitiflora. Compact; profuse bloomer; fine blue; early Pkt., 10c.
 Semperflorens. Dwarf; continuous bloomer; blue. Pkt., 10c.
 Victoria. Flowers large, bright azure-blue, fine for cut flowers Pkt., 10c.; ⅓ oz., 25c.



Fox Glove.



Forget-Me-Not.

GAILLARDIA.

Exceedingly beautiful, half-hardy perennial, making very showy plants, one to two feet high, for the flower garden. Grown in masses they are especially effective; large flowers, two or three inches across, produced from early summer until frost; unrivalled for cutting.

- Grandiflora Maxima. Golden Pkt., 10c.; ¼ oz., 25c.
 Mixed. Many shades of yellow, orange and scarlet Pkt., 10c.; ¼ oz., 25c.
 Picta. Large, handsome, yellow flowers. Hardy annual. Double or Single Pkt., 10c.; ¼ oz., 25c.

Gilia.

Gilias are free-flowering, hardy annuals, one foot high, with finely cut foliage and clusters of small, delicate flowers, white, lilac and rose color; desirable for cutting and suitable for beds, rockwork and edgings.

- Mixed Pkt., 5c.

GLOXINIA.

Most charming, greenhouse plants of dwarf habit. Their flowers are produced in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificently spotted, mottled and blended. Under the commonest culture they bloom continuously for months.

- Hybrida Grandiflora. Choice mixed ... Pkt., 25c.
 Robusta. Erect, hardy, extra choice ... Pkt., 25c.

Grevillea, Robusta.

The Silk Oak. Very beautiful and graceful foliage plant Pkt., 10c.

Godetia.

The Godetias are profuse and constant bloomers, and their delicate tints of crimson, rose and white render them very attractive. Hardy annuals.

- Fine Mixed Pkt., 5c.

GERANIUM.

A half-hardy perennial, easily and quickly grown from seed.

- Lady Washington. Foliage green; flowers large, handsome, oddly marked, fine for pot culture. Finest mixed Pkt., 25c.
 Zonale. This is the well-known bedding Geranium. Single mixed Pkt., 10c.
 Zonale. Very finest and newest sorts. Choice mixed Pkt., 15c.
 Apple Scented. Very fragrant and a popular variety Pkt., 10c.

Gentiana.

Fine, showy flowers. Should be in every flower garden. Hardy.

- Mixed Pkt., 10c.

Geum, or Chiloense.

Hardy perennial. Free-blooming plants. Fine for bouquets.

- Scarlet. Double Pkt., 5c.

Globe Amaranth, or Gomphrena.

An old favorite, everlasting flower.

- Mixed Pkt., 5c.

Gypsophila, or Baby's Breath.

A pretty, free-flowering plant. Fine for bouquets.

Paniculata. Foliage fine; covered with tiny, pure white flowers. Hardy perennial Pkt., 5c.
Muralis. Pink. Hardy annual. Pkt., 5c.

Gourds.

Of rapid growth, and bearing curious fruits of various sorts.

Dishcloth, Dipper, Bottle, Egg - shaped or Mock Orange. Each Pkt., 5c.
Large Varieties. Mixed. Pkt., 5c.; oz., 25c.
Small Varieties. Mixed. Pkt., 5c.; oz., 25c.

HELIOTROPE.

Delightfully fragrant, free - blooming, tender, perennial plants. Splendid for bedding or pot culture. One foot high, of spreading habit. The fragrance of its flowers cannot be excelled in exquisite delicacy. Invaluable for bouquets.

Mixed. Choice....Pkt., 10c.; $\frac{1}{8}$ oz., 40c.
Mammoth Flowered. Blue, White or Mixed; very fine. Pkt., 15c.; $\frac{1}{8}$ oz., 50c.



Gypsophila.

Hollyhock, or Althaea.

The modern Hollyhock is quite different and much more beautiful than the plant of twenty years ago, being much more compact in growth; the flowers are larger, richer colored, and the double varieties are fuller and of better form. For a background to a flower garden there can be nothing better. Hardy perennials; five feet high.

Chater's Finest Mixed. Double varieties of the greatest perfection ...Pkt., 10c.; $\frac{1}{8}$ oz., 75c.
Double Crimson, Scarlet, White, Yellow, Magenta, Lilac or Pink Pkt., 10c.; $\frac{1}{8}$ oz., 50c.

Allegheny. This sort has very large flowers, composed of fringed and crinkled petals. Rich and handsome. Double Choice Mixed Pkt., 10c.; $\frac{1}{8}$ oz., 30c.

Our FLOWER SEEDS are fresh
New Crop. They produce the
most beautiful flowers.



Helichrysum.

Hyacinth Bean, or Dolichos.

Rapid growing, ornamental, climbing annuals, bearing clusters of beautiful purple and white flowers, followed by highly ornamental seed pods.

Mixed Pkt., 5c.; oz., 15c.

Ice Plant.

Pretty, summer, trailing annual for vases and rockwork; leaves covered with ice-like drop. Pkt., 5c.

Ipomoea.

One of the most beautiful, climbing plants in cultivation for the greenhouse or sheltering situations outdoors. It belongs to the same family as the Morning Glory. (See Moon Flower, also Morning Glory.)

Hybrida Mixed. Flowers very large and beautiful Pkt., 10c.



Larkspur.

LARKSPUR, or Delphinium.

A very ornamental class of profuse blooming plants. Their tall spikes of many colored flowers produce a striking effect when planted in groups. Hardy annual.

Dwarf Rocket. Finest colors....Pkt., 5c.; oz., 20c.
Tall Branching. Finest Mixed. Pkt., 5c.; $\frac{1}{4}$ oz., 20c.
Perennial Mixed Pkt., 5c.; $\frac{1}{4}$ oz., 20c.
Finest Double Mixed Pkt., 10c.; $\frac{1}{4}$ oz., 25c.

Linum, or Crimson Flax.

Beautiful and effective; hardy annual, about eighteen inches high; covered with bright, scarlet flowers.

Crimson Pkt., 5c.; oz., 35c.
Perennial. Mixed Pkt., 5c.; oz., 35c.

Lychnis.

There are few plants that produce more brilliantly colored blossoms than Lychnis. They are borne in clusters and continue fresh and brilliant for a long time. Hardy perennials; one to three feet high.

Haageana Hybrida. Mixed. Pkt., 10c.; $\frac{1}{4}$ oz., 25c.



Heliotrope.

Helichrysum.

Everlasting flower. One of the best for winter bouquets. White, yellow and crimson. Hardy annual.
Double Mixed Pkt., 5c.

HIBISCUS.

Strong-growing plants, of very easy culture and exceedingly showy. Has large, cup-shaped flowers. Hardy annual.

Extra Mixed Pkt., 5c.

Hunneemannia, or Giant Yellow Tulip Poppy.

Fumariifolia. Best of the poppy family for cutting, remaining in good condition for several days. Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup-yellow, poppy-like blossoms, and never out of flower until hard frost.
Pkt., 10c.

We give you \$1.25 worth of Seed
in packets, and ounces, for \$1.
See inside front cover.

Ipomopsis, or Garden Cyprus.

Symmetrical plants of pyramidal growth, feathery foliage and handsome spikes of flowers; useful for either garden or pot culture.

Mixed Pkt., 5c.; $\frac{1}{4}$ oz., 20c.

***Kaulfussia.**

Pretty, free-flowering plants of compact growth. Hardy annual.

Mixed Pkt., 5c.

Lantana.

A free-flowering, shrubby plant, suitable for outdoor or pot culture. The flowers emit an agreeable odor, and are of many shades of purple, orange and white. Half-hardy perennial.

Hybrida Fine Mixed Pkt., 10c.



Double Hollyhock.

The finest gardens are made by planting Portland Seed Company's "Diamond Brand" Seeds.



Lobelia.

(Flower only about life size.)

MIGNONETTE.

A quick-growing annual, highly esteemed for its delicate fragrance. It grows most rapidly and produces the largest and finest spikes of blossoms during cool, moist weather of early spring and late fall months, but will flower freely throughout the summer from seed sown early in spring. A second planting should be made about the first of August to furnish large, fine spikes of flowers during the cool, fall months.

Odorata Grandiflora. Large, well-formed, fragrant flowers Pkt., 5c.; oz., 20c.

Machet. Dwarf; flowers red Pkt., 10c.; ¼ oz., 20c.

Parson's White. Flowers almost pure white; very fine Pkt., 10c.; ¼ oz., 20c.

Golden Queen. Dense dwarf growth; flowers golden yellow, deliciously fragrant Pkt., 10c.; ¼ oz., 20c.

Allan's Defiance. A choice strain for forcing. Spikes of enormous size and intensely rich perfume. One of the most desirable for open ground Pkt., 10c.; ¼ oz., 25c.

Giant Pyramidal. Erect pyramidal growth, with fine spikes of elegant flowers Pkt., 5c.; ¼ oz., 25c.

Musa Ensete, or Abyssinian Banana.

Splendid, tropical plant, very striking. Pkt., 25c.



Marigold.

GET BUSY.
Make your yard
beautiful.

LOBELIA.

Delicate, low-growing, annual plants of the greatest value for borders, ribbons, edgings, rockwork and hanging baskets. (See cut.)

Gracilis. Blue, trailing; beautiful for baskets

Pkt., 10c.; ¼ oz., 25c.

Crystal Palace. Dark blue; fine for bedding Pkt., 10c.; ¼ oz., 25c.

Crystal Palace Compacta. Plant dwarf; flowers very fine and rich, deep blue; finest for bedding and edging. Pkt. 10c.; ¼ oz. 50c.

White Lady. New white flowering Pkt., 10c.; ¼ oz., 30c.

Perennial Cardinalis. Taller. than other sorts; flowers rich red Pkt., 10c.

LUPIN, or Lupinus.

Very desirable shrubby plants, bearing long spikes of various colored flowers.

Annual Mixed Pkt., 5c.; oz., 20c.

Perennial Mixed Pkt., 5c.; oz., 25c.

MIMULUS.



Mignonette.

MIMULUS.

Moschatus, or Musk Plant. Cultivated for its rich, musky odor. Should have a rich soil and ample moisture. Hardy perennial. Pkt., 10c.

Tigrinus Nanus, or Monkey Flower. Mixed, beautifully spotted, all colors Pkt., 10c.

Mimosa, or Sensitive Plant.

Pudica. Very curious and interesting plant. Its leaves closing if touched or shaken. Annual. Pkt., 5c.

MOON FLOWER, or Ipomoea**Mexicana Grandiflora.**

Rapid growing climber, belonging to the Morning Glory family. The flowers are large, waxy white and very showy. Pkt., 10c.; ¼ oz., 20c.

MORNING GLORY.

The tall varieties are popular, well known, rapid growing climbers of the easiest cultivation. Very fine for covering arbors, trellises, porches, etc. The Minor, or Dwarf varieties flower very freely and do not require support. (See cut.)

Convolvulus Major. Tall, choice, single mixed, all colors Pkt., 5c.; oz., 15c.

Convolvulus Minor. Dwarf mixed. Pkt., 5c.; oz., 15c.

Imperial Japanese Fringed. These have very large fringed flowers in a great variety of the most exquisite colorings; handsome, variegated foliage. Mixed Pkt., 10c.; oz., 25c.

Japanese Double Mixed. This double Japanese sort is very fine in leaf, flower and growth ... Pkt., 10c.; ¼ oz., 50c.

Japanese Single Mixed Pkt., 5c.; oz., 20c.

MARIGOLD, or Tagetes.

The French and African Marigolds are valuable for their flowers in summer, and can be grown to advantage in little clumps with other plants in the front of shrubberies or in the garden border. Color of flowers, yellow, red, brown and variegated. (See cut.) The African Varieties are the taller in growth, and produce large, self-colored blossoms. The French Varieties are smaller, some of them being elegantly striped and spotted.

African. Tall or dwarf, double mixed Pkt., 5c.; oz., 40c.

French. Tall or dwarf, double mixed Pkt., 5c.; oz., 35c.

Nemophila.

Hardy annuals of neat, dwarf, compact growth; fine for borders, pot culture or rockeries. Flowers blotched and beautiful. Mixed varieties Pkt., 5c.

Nigella.

Love-In-a-Mist, or Devil-In-the-Bush. Compact growing, free flowering plants, with curious looking, showy flowers and finely cut foliage. Hardy annuals. Mixed Pkt., 5c.

Nicotiana.

A very showy plant, producing pure white, star-shaped flowers of delicious perfume. Taken up in the fall, cut back and potted, will bloom freely all winter. Half-hardy annual, three feet high.

Affinis Pkt., 5c.; ¼ oz., 25c.

Nasturtium

TROPAEOLUM.

These well-known flowers need no description. They have recently been greatly improved and are now among the most attractive climbers, bedding and border plants. All Nasturtiums flower best where the soil is not too rich. Hardy annuals, of easy cultivation. There are many different colors or combinations of colors in these new hybrids, including various shades of rose, salmon, bright red, pale yellow, etc., either self-colored or spotted, mottled, striped and margined.

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their marvelous quantities of bloom, borne in uninterrupted splendor from early summer until cut down by frost. Their ease of culture and rapidity of luxuriant growth, twelve to fifteen feet high, render them worthy of great popularity.

SNOW QUEEN (New), Fine for Borders.

Quite distinct from any other Nasturtium. Flowers white when opening, gradually assuming a creamy tint. Plants very very dwarf and an admirable subject for bedding in conjunction with Blue Lobelia. The prettiest and most distinct Dwarf Nasturtium introduced to date.

Sold in packets only at 20c. each; 3 for 50c.



Nasturtium—Life-size Flower.

IVY LEAVED (New).

This unique and most beautiful climbing Nasturtium now comes entirely true to type. It is different from all other Nasturtiums, both in foliage and in flower. The plants are of running growth with star-like pointed leaves of rich green, veined with white, so that the young shoots, where the leaves are set quite closely together, have a marked resemblance to the foliage of the hardy English Ivy. The flowers are of medium size, intense glowing scarlet in color, and of most distinct form. The petals are quite narrow, and standing well apart from each other present a striking, star-like appearance. Desirable not only as a bedding variety, but also as a basket or vase plant, where the trailing branches show off the beautiful foliage and star-like, scarlet flowers to the greatest advantage.....Pkt., 10c.; oz., 25c.

TALL OR CLIMBING NASTURTiums, Large Flowering.

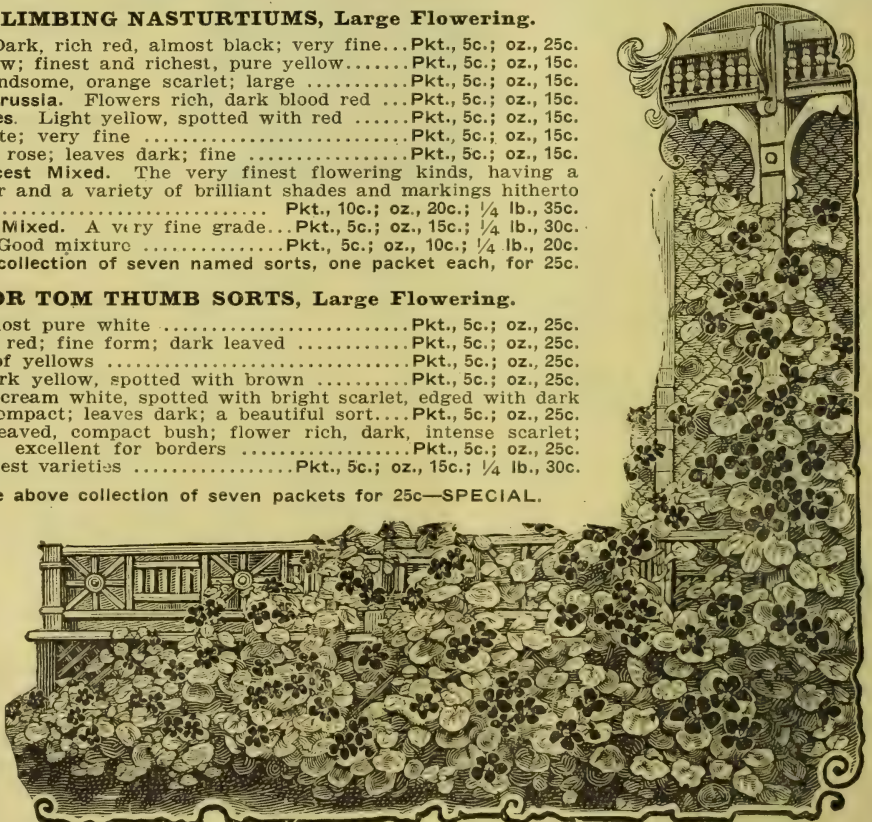
Zanderi Nigrum. Dark, rich red, almost black; very fine...Pkt., 5c.; oz., 25c.
 Golden Queen. New; finest and richest, pure yellow...Pkt., 5c.; oz., 15c.
 Lilli Schmidt. Handsome, orange scarlet; largePkt., 5c.; oz., 15c.
 Crown Prince of Prussia. Flowers rich, dark blood red ...Pkt., 5c.; oz., 15c.
 Giant of the Battles. Light yellow, spotted with redPkt., 5c.; oz., 15c.
 Pearl. Cream white; very finePkt., 5c.; oz., 15c.
 Vesuvius. Salmon rose; leaves dark; finePkt., 5c.; oz., 15c.
 Lobbianum. Choicest Mixed. The very finest flowering kinds, having a richness of color and a variety of brilliant shades and markings hitherto unknownPkt., 10c.; oz., 20c.; ¼ lb., 35c.
 Lobbianum. Fine Mixed. A very fine grade...Pkt., 5c.; oz., 15c.; ¼ lb., 30c.
 Tall Fine Mixed. Good mixturePkt., 5c.; oz., 10c.; ¼ lb., 20c.
 SPECIAL—Above collection of seven named sorts, one packet each, for 25c.

DWARF OR TOM THUMB SORTS, Large Flowering.

Dwarf Pearl. Almost pure whitePkt., 5c.; oz., 25c.
 Ruby King. Ruby red; fine form; dark leavedPkt., 5c.; oz., 25c.
 Sunlight. Finest of yellowsPkt., 5c.; oz., 25c.
 Spotted King. Dark yellow, spotted with brownPkt., 5c.; oz., 25c.
 Chameleon. New; cream white, spotted with bright scarlet, edged with dark scarlet; plant compact; leaves dark; a beautiful sort...Pkt., 5c.; oz., 25c.
 Midnight. Dark leaved, compact bush; flower rich, dark, intense scarlet; very handsome; excellent for bordersPkt., 5c.; oz., 25c.
 Dwarf Mixed. Finest varietiesPkt., 5c.; oz., 15c.; ¼ lb., 30c.

SPECIAL—The above collection of seven packets for 25c—SPECIAL.

Our Flower Seeds come from the best growers in the world, and they are always fresh, true and reliable. None better offered anywhere. Our mammoth flowering Holland-grown Nasturtiums are very fine.



TALL NASTURTium (Showing Vine and Climbing Nature).

PORTLAND'S FINEST LAWNS

Are made by planting Portland Seed Comp.'s Fancy Mixed Lawn Grass Seed. See page 51.

Choicest Strains Pansies Finest Varieties

The Pansy is a plant that we all delight to grow for a plentiful supply of flowers all the year. For very early, outdoor bedding the seed is sown in the fall, in a cold-frame, or in rich, moist, garden beds. Spring sowing should be made early, so as to secure good flowers during the early rains.

Our strains of Pansy seed cannot be surpassed in color and blooming qualities. The collections offered will give superb flowers in a great variety of beautiful colors.

Gold Medal Collection Pansies

Latest Introductions direct from our German Pansy Seed Grower.

SPECIAL—One packet each of the seven varieties, only \$1.00.

MASTERPIECE—Giant Ruffled.

The truly giant-sized flowers of this wonderful Pansy are of the most distinct and striking character. The mammoth size, richness and beauty of colorings combined with the handsomely frilled or ruffled character of the petals, make the Masterpiece one of the most distinct and interesting novelties in Pansies ever developed.

PRINCE HENRY.

A new giant variety, of a brilliant, dark indigo blue, with violet luster, each petal having a large, dark brown, veined blotch. Edges of petals, slightly ruffled. Pkt., 20c.

HERO.

Very large, well shaped; has beautiful regularly crimped and curled edges. An exquisite, deep blue, shading to white on the upper petals; very showy. Pkt., 20c.

PAPILIO.

New, very distinct. Handsome, large flowers of a violet lilac color; exceedingly rich. Pkt., 20c.

CORONA.

Flowers large, citron yellow, with deep, black eye; upper petals richly veined and tinged with brilliant red. All petals curled and ruffled. Pkt., 20c.

PSYCHE.

Each flower is elegantly curled and undulated, and in every respect a beauty in form and color. The characteristics, five velvety, violet blotches or eyes are surrounded by a broad white edge. Pkt., 20c.

PEACOCK, New.

A striking variety; the upper petals beautiful ultramarine blue, lower deep claret. Edged with white. Pkt., 15c.

LARGE FLOWERING POPULAR SORTS.

Coquette de Polissy. Reddish lavender, maroon blotches on lower petals; novel and distinct. Pkt., 10c.

King of the Blacks. This is an exceptionally fine strain of black. Pkt., 10c.

Prince Bismarck. Brown and golden bronze, remarkably beautiful. Pkt., 10c.

President Carnot. The ground color is white and each petal is almost covered with a deep, rich, velvety blotch of dark, violet blue, leaving a broad, white margin. Pkt., 10c.

Queen of the Blues. Flowers large, azure blue. Pkt., 10c.

Snow Queen (Candidissima, or Lady-in-White). Very large, satiny white. Pkt., 10c.

Victoria. The blooms are of good substance and form and deep claret red color. Pkt., 10c.

Yellow Gem. A lovely, rich, pure yellow. Pkt., 10c.

TRIMARDEAU GIANTS.

Of remarkably large size and robust growth; very fine.

Giant. White, Yellow, Striped, Black, Blue or Mixed.

Pkt., 10c.; ¼ oz., 75c.; oz., \$2.50.

SPECIAL—One packet of each of the six kinds, 50c.

Portland Seed Co.'s

ELITE LARGE FLOWERING MIXED.

This superb collection cannot be surpassed for size, shape, markings or richness of color of the flowers. No pains are spared by our German grower to make this strain absolute perfection in form, firmness of texture, size, freedom of bloom, and elegance and variety of markings and colorings. There is no mixed Pansy seed offered superior to this.

Pkt., 25c.; ⅛ oz., \$1.00; ¼ oz., \$1.50.

Cassier. A very fine mixture; flowers large and marked with three or five blotches. Pkt., 25c.; ⅛ oz., 75c.

Odier or Blotched. Superb, large flowers, beautifully blotched with rich and varied colors. Extra mixed. Pkt., 25c.; ⅛ oz., 75c.

Parisian Largest Spotted. New, very large flowering; very handsome. Pkt., 15c.; ⅛ oz., 75c.

Bugnot. Flowers of enormous size, blotched and veined; the shadings comprise tints of red, bronze and brown not found in any other mixture. Pkt., 25c.; ⅛ oz., \$1.00.

English Show Extra Mixed. An exceedingly fine mixture, all colors. Pkt., 10c.; ¼ oz., 75c.; oz., \$2.00.

Fine Mixed. A fine assortment of colors.

Pkt., 5c.; ¼ oz., 50c.; oz., \$1.25.



The above Pansy cut is a direct reproduction from photograph of some of our large Flowering Pansies.

Pansy Plants See Plant Department.



Pentstemon.



Pink.

PASSION FLOWER, or Passiflora.

Most interesting and well known climbers, bearing singularly beautiful flowers.

Coerulea. Half hardy, deciduous climber, with blue and white flowers of remarkable beauty. Pkt., 10c.

PAMPAS GRASS, or Gynierium Argenteum.

A noble ornamental grass, easily grown from seed, producing majestic plumes, that are inimitable for winter decoration. Pkt., 5c.

Perilla Nankinensis.

Dark purple foliage plant. Half-hardy annual. Pkt., 5c.

PENTSTEMON.

Beautiful, hardy, perennial, herbaceous plants, with extremely brilliant blooms. Their bell-shaped flowers are borne on long spikes, and are produced abundantly all summer. Mixed Pkt., 5c.; 1/4 oz., 35c.

We have unlimited quantities of Flowering Plants in season. See Plant Department, pages 65-80.



Phlox Drummondii.

PHLOX DRUMMONDII.

The blooms of Phlox Drummondii are unrivaled for richness and beauty of color, ranging from white to the deepest scarlet and purple. They are abundant, almost covering the foliage, and of long duration. Very desirable, and easily grown. For cutting for bouquets or for bedding in masses they are unsurpassed. Hardy annual, one foot high. (See cut.)

Choice Mixed Pkt., 5c.; 1/4 oz., 50c.

Large Flowering. Mixed; flowers large and brilliant. Pkt., 5c.; 1/4 oz., 60c.

Large Flowering. Scarlet or white Pkt., 5c.; 1/4 oz., 75c.

Dwarf. Mixed; finest flowering sorts Pkt., 5c.; 1/8 oz., 50c.

Decussata. Hardy perennial; mixed Pkt., 10c.; 1/8 oz., 50c.

PETUNIA, or Hybrida.

Too much cannot be said in praise of the Petunia as a bedding plant. Our clear, bright summers seem to bring out its best qualities. During the whole season it is covered with large, showy blossoms, which are always bright and fresh, in spite of heat and drought. The flowers are of an almost infinite variety of colors and markings, and quite as varied in form; large and small, fringed and plain, double and single. Hardy annual. Large assortment.

Single Fine Mixed Pkt., 5c.; 1/8 oz., 25c.

Single Choicest Mixed. Saved from the best flowers. Pkt., 10c.; 1/8 oz., 50c.

Single Fringed Mixed. Large flowered; very desirable Pkt., 25c.

Double White, Large flowered Pkt., 25c.

Double Choicest Mixed. Full and handsome Pkt., 25c.

PINK, or Dianthus.

The Dianthus family embraces some of the finest of all flowering plants. The blooms are of the richest and most pleasing colors, and nothing can surpass the exquisite fragrance of some varieties. They are hardy, and become perennial in warm climates.

Chinensis. Double mixed. Pkt., 5c.; 1/4 oz., 25c.

Heddeiwigi. Color varies from richest velvety crimson to delicate rose. Single mixed. Pkt., 5c.; 1/4 oz., 25c.

Heddeiwigi. Double mixed Pkt., 5c.; 1/4 oz., 35c.

Laciniatus. Fine, double fringed, finest assorted colors; double mixed Pkt., 5c.; 1/4 oz., 50c.

Laciniatus Alba. Double white. Pkt., 5c.; 1/4 oz., 50c.

Plumarius (Sweet May Pinks). Very fragrant; fine single mixed Pkt., 5c.; 1/4 oz., 35c.

Alba Plena. Handsome, double white Pkt., 10c.; 1/8 oz., 25c.

POPPY, or Papaver.

The Poppy is well known and really a magnificent flower which is borne separately on tall stalks. Poppies are very showy and come in many bright and charming colors. They are hardy annuals, and may be sown where they are to remain, as soon as the ground can be prepared.

Double Carnation Flowered. Fringed; colors are dazzling. Mixed Pkt., 5c.; oz., 25c.

Shirley. The range of color, extending from white, through delicate shades of pink, rose and carmine, to deepest crimson; fine for cutting. Best Single Mixed Pkt., 10c.; 1/4 oz., 25c.

Iceland, or Nudicaule. These are of a very graceful neat habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks about 12 inches in height, bearing yellow, white or orange-scarlet flowers in endless profusion and most useful for cutting; hardy perennial. (See cut.) Mixed Colors Pkt., 10c.; 1/4 oz., 40c.

Danebrog, or Danish Flag. Scarlet, with a white spot at the base of each petal; brilliant. Pkt., 5c.; oz., 25c.

Double Scarlet or White Pkt., 5c.; oz., 25c.

Double American Flag. White, bordered with scarlet Pkt., 5c.; oz., 30c.

Umbrosum. Rich vermillion, with a glossy, black spot on each petal; single Pkt., 5c.; oz., 30c.

Bracteatum. Hardy perennial; very showy red Pkt., 5c.; 1/4 oz., 20c.

California Poppy. See *Eschscholtzia*, page 37.

Phormium, or New Zealand Flax.

Tenax. Has handsome, variegated foliage.

Pkt., 10c.; 1/4 oz., 50c.



Iceland Poppies.

BOOKS—Read what the best writers say on gardening; see book list, page 48.

PORTULACA.

Brilliant, dwarf annuals, only six inches high, luxuriating in warm situations, and blooming profusely from early summer to autumn. For low beds and masses of color from spring until frost, they are indispensable; colors range through innumerable shades of red, yellow, pink, striped, white, etc.

Single Mixed Pkt., 5c; ¼ oz., 25c.
Double Mixed Pkt., 10c; 1-16 oz., 25c.

Primrose, Evening, or Oenothera.

The Oenothera, or Evening Primrose, produces large, showy blossoms, which are fully expanded only during the evening and early in the morning. The flowers, which are from three to four inches across, attract much attention on account of their size, beauty and the rapidity with which they open. They are constant and prolific bloomers.

Fine Mixed Pkt., 5c; ¼ oz., 25c.



Portulaca.



Primula Sinensis.

PRIMULA, or Primrose.

The first three varieties named below are hardy, early blooming garden plants, and the others beautiful, winter blooming house plants. Their various forms and blending of colors are exceedingly pleasing and effective. They thrive best in a sandy loam and leaf mold. (See cut.)

Polyanthus. Early blooming, dwarf growing plants, valuable for outdoor bedding. Mixed Colors Pkt., 10c; 1-16 oz., \$1.00.

Vulgaris. Yellow, common, English Primrose Pkt., 10c.

Japonica, or Japanese Primrose. The beautiful, large, various colored flowers stand in whorls, pyramidally arranged on short flower stems; one foot high; though perennial, new plants flower more freely, and seed should be sown every year. Mixed Varieties Pkt., 25c; 1-16 oz., \$1.00.

Sinensis, or Chinese Primrose. The beautiful, large, fringed flowers stand in pyramids arranged on short flower stems. Blossoms of every shade of color, from pure white to deep crimson, and even deep blue; especially fine for winter and spring flowers in the house; easily grown; free bloomers. (See cut.) Finest mixed Pkt., 25c; 1-32 oz., \$2.00.

Sinensis. Pure White or Red Pkt., 25c.

Sinensis Alba Magnifica. New; finest large white Pkt., 50c.

Sinensis. Double finest mixed Pkt., 50c.

Obconica Grandiflora. A lovely profuse-bloomer, bearing beautiful single flowers. This is really an everblooming plant, producing elegant clusters of flowers continuously throughout the year Pkt., 10c; 1-16 oz., \$1.50.

Pyrethrum.

Very ornamental plants, for both foliage and flowers.

Parthenium Aureum, or Golden Feather. Beautiful, gold leaved, flower white Pkt., 10c.

Selagenoides. Fine, fern-leaved sort; flowers bright, golden yellow Pkt., 10c.

Rhodanthe.

A charming annual. Flowers everlasting. Mixed Pkt., 5c.

Red Clay
Flower Pots.
See page 81.

SALVIA, or Flowering Sage.

Very ornamental; flowers borne in spikes of fiery red or crimson, and continue in bloom in open ground until after severe frosts. Start in heat and transplant into light soil, one to two feet apart. Excellent for bedding in masses or single planting. Hardy annuals. (See cut.)

Salvia Splendens. Brilliant Scarlet Pkt., 10c; ¼ oz., 50c.

Lord Fauntleroy. Bush dwarf and compact; flowers largest and finest of scarlets. Pkt., 20c.

Silverspot. Leaves dark green, covered with silver spots; very effective Pkt., 15c.

Bonfire (Clara Bedman). One of the finest Salvia ever introduced; compact bush about two feet in height and diameter. Its erect spikes of flowers of brilliant scarlet stand clear above the dark-green foliage and completely cover the plant Pkt., 15c; ¼ oz., \$1.00.

Argentea. Silver leaves, flowers white; blooms in the spring Pkt., 5c.

Salvia Farinacea. Flowers light blue, compact bush Pkt., 10c; 1-16 oz., \$1.00.

For Salvia Plants, see Plant Department.

SALPIGLOSSIS.

Produces very showy, funnel-shaped flowers of large size. Fine for beds. Half-hardy annuals.

Tall Mixed Pkt., 5c; ¼ oz., 25c.

Fine Dwarf Mixed Pkt., 5c; ¼ oz., 25c.

Grandiflora. Mixed. Large flowering Pkt., 10c.

Saponaria.

Pretty, dwarf bedding plants. Red, white and scarlet flowers. Hardy annuals.

Fine Mixed Pkt., 5c.

Schizanthus.

Beautiful, garden annuals, flowers charmingly fringed and delicately colored; one to two feet.

Mixed Colors Pkt., 5c; ¼ oz., 15c.

SCABIOSA.**Sweet Scabious, or Mourning Bride.**

Free-flowering annuals; colors, white, carmine, lilac, maroon, etc. Very effective for garden decoration and valuable for cutting; one foot.

Dwarf or Tall Double. Mixed colors Pkt., 5c; ¼ oz., 15c.

SMILAX.

Charming, tender, perennial climber for greenhouse or window gardens. The foliage and stems are of a pleasing, light green; very graceful; excellent for decoration. (See Plants.)

Pkt., 10c; ¼ oz., 25c.

SNAPDRAGON, or Antirrhinum.

One of the most useful and showy of border plants. Of almost every color, and striped as beautifully as Carnations. They have recently been much improved, and are now really magnificent. Hardy perennial.

Tall, Finest Mixed Pkt., 5c; ¼ oz., 20c.

Dwarf, Finest Mixed Pkt., 5c; ¼ oz., 20c.

Pure White. Dwarf Pkt., 10c; ¼ oz., 30c.

Firefly. Dwarf; best scarlet. Pkt., 10c; ¼ oz., 30c.

Statice, or Sea Lavender.

Beautiful for winter bouquets; flowers very pretty.

Annual Varieties. Mixed Pkt., 5c.

Perennial Varieties. Mixed Pkt., 5c.

Stipa Pennata.

Feather Grass. Grown for their plumes. Pkt., 10c.

FERN BALLS

Put in half and placed in fern pans make a beautiful mass of green. (See Index.)

Cream of All Sweet Peas Latest Creations

Portland Seed Co.'s Gold Medal Collection

We believe we have the finest collection of new and improved Sweet Peas of special merit that is listed by any firm in the trade. Each year we carefully revise our lists so as to keep in the front rank.

SPECIAL—One full packet of each of the following ten sorts, only 80c.—**SPECIAL**.

FLORENCE MOLYNEAUX—Primrose.

A beautiful new variety. Flowers large; semi-hooded form. Color primrose, lightly striped with blush. A most delicate and pleasing combination. No list is complete without this new and distinct novelty.

Pkt., 10c.; ½ oz., 20c; oz., 35c.

COUNTESS SPENCER—Pink.

A distinct innovation in Sweet Peas, originated in England with the gardener to the Countess Spencer. Flowers extremely large, beautifully expanded, crumpled and waved. Color silvery white, suffused and tinted with soft shell pink, deeper at the outer edges. The size, form and coloring of Countess Spencer are simply exquisite and beyond the power of words to describe. The true seed is very scarce.

Pkt., 15c.; ½ oz., 25c.; oz., 40c.

HELEN LEWIS—Orange-rose.

A grand, gigantic, orchid-flowered seedling of Countess Spencer. The orange-red wings roll and fold; the standard is reflexed, showing the distinctly fluted effect, and is of an intense rich crimson-orange. The blooms are truly of a gigantic size—the ruffled standard measuring two inches across.

Pkt., 15c.; ½ oz., 25c.; oz., 45c.

ROMOLO PIAZZINI—Violet.

So much has been written and said about this grand new blue that it must be familiar to all lovers of the Sweet Pea. The color is almost a true violet-blue self; the standard is only slightly hooded; flower of grand size and substance. A very vigorous grower.

Pkt., 10c.; ½ oz., 20c.

SHASTA—Pure White.

Introduced last year. A grand, new, white Sweet Pea. The, standard and wings are both large and vary at the edges—the texture is firm and the pure white is very effective. It is one of the best white Sweet Peas yet introduced and should be a favorite with florists as well as with the public generally. It bears four blossoms to the stem usually facing one way, and the stems are long and stout. Pkt., 10c.; ½ oz., 20c.; oz., 35c.

GLADYS UNWIN—Light Pink.

A large, bold flower, not hooded, but with standard and broad wings. Of the new orchid-flower type, this is similar to Countess Spencer, but several shades lighter in its lovely pink color.

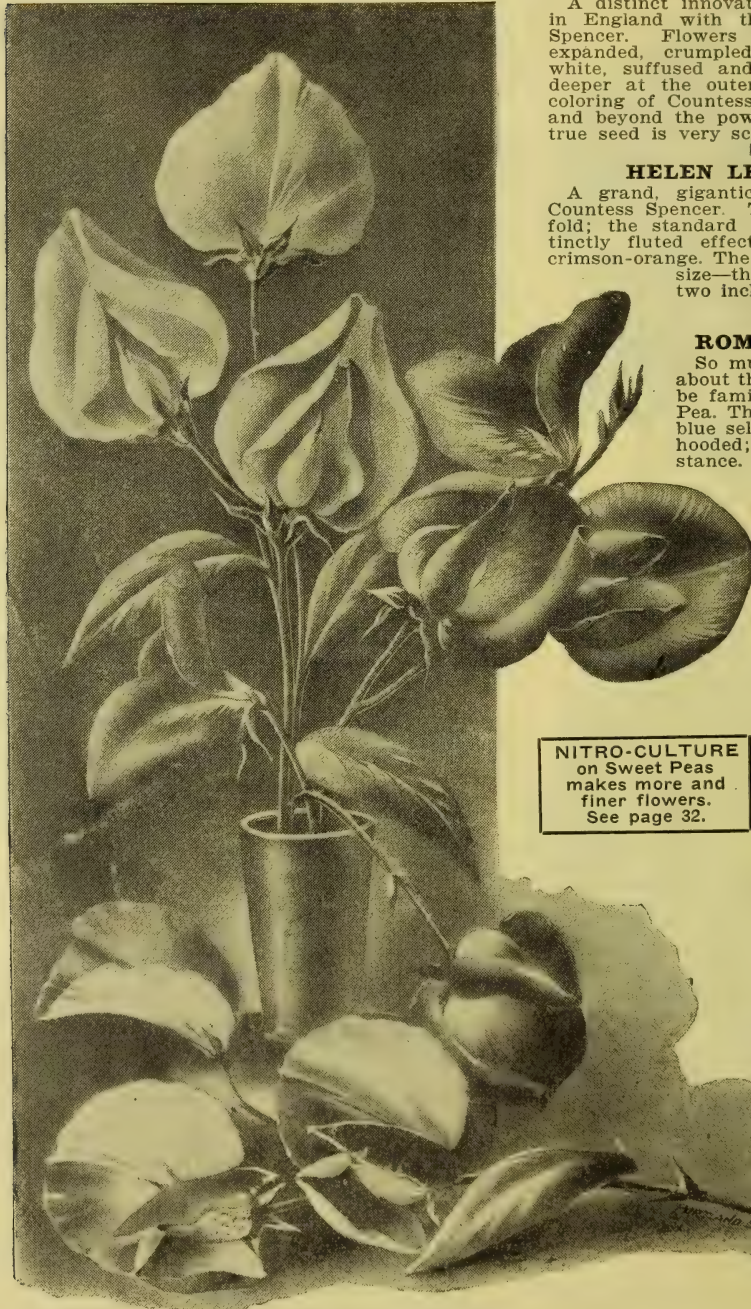
Pkt., 10c.; ½ oz., 25c.; oz., 40c.

HELEN PIERCE—Mottled.

A new type of Sweet Pea. Color pure white peppered or mottled with bright blue, the veins showing a little deeper. The effect is very fine and makes a beautiful decoration, especially when bunched by itself. The large shell-shaped blossoms come three or four on long stems all facing one way.

Pkt., 10c.

½ oz., 25c.; oz., 40c.



NITRO-CULTURE
on Sweet Peas
makes more and
finer flowers.
See page 32.

IT'S A FACT

That you can not buy TRUE SEEDS of the LATEST Sweet Peas at prices offered by some dealers—you get substitutes.

Sweet Peas—Continued

Gold Medal Collection—Continued

FLORA NORTON—Lavender.

This is a beautiful rich lavender, entirely free from any mauve or pinkish tinge. It is described by the originator as "a bright blue." The flowers are large and of fine form, borne three on a stem. One of the most delicate and pleasing shades for florists' use as a cut flower.

Pkt., 10c.; ½ oz., 15c.; oz., 25c.

PHENOMENAL—Double White.

This variety is practically a double Lottie Eckford, being white shaded and edged with blue. The blossoms are large and nearly always double.

Pkt., 10c.; ½ oz., 15c.; oz., 25c.

KING EDWARD VII.—Crimson.

A lovely, intense crimson, slightly hooded, yet prominent standard. A truly giant-flowered variety. The finest crimson to date. Strong stems and growth.

Pkt., 10c.; ½ oz., 15c.; oz., 25c.

Ideal Collection of New and Handsome Sweet Peas

In this collection you get twelve of what we believe to be the choice of varieties under each color. You will certainly be pleased with this collection.

SPECIAL—Pkt., 5c.; oz., 15c.; 1 pkt. each variety, 40c.; 1 oz. each, \$1.00—SPECIAL.

DOROTHY ECKFORD—Pure White.

Pronounced by Sweet Pea experts to be the grandest pure white yet seen. In addition to its pureness, it is a grand, giant flower. Grows an enormous mass of bloom.

DAINTY—White, Edged Pink.

The beautifully formed large flowers, upon first opening, appear to be white, but quickly change to white with pink edge, making a most charming contrast.

DUKE OF CLARENCE—Dark Red.

Dark claret, self-colored. Large size, hooded form of the finest type; grows vigorously and blooms freely. A lovely, rich sort.

JANET SCOTT—New Pink.

The unusual size of the wings in connection with the large, substantial, hooded standard gives the flowers an appearance of enormous size. Flowers deep, rich pink.

JESSIE CUTHBERTSON—White, Striped Red
Very large, well expanded; ground color creamy white, boldly striped and lightly flaked with rich, dark rose.

MAJESTIC—New Rose.

Flowers are of largest size and perfect form, slightly hooded. Deep, rose pink.

MARCHIONESS OF CHOLMONDELEY—Cream.

One of the largest varieties, with a beautiful, bold, erect standard. In color, it is very exquisite, being a soft shade of cream overlaid and edged with a delightful shade of pink.

MISS WILLMOTT—Salmon.

Described as an "orange pink," delicately shaded rose. Enormous flowers borne erect on long, stiff stems. Truly a handsome and very pleasing variety.

MRS. GEO. HIGGINSON, JR.—Sky Blue.

This charming shade is described by the originator as a sky blue. The flowers are of fair size and fine open form.

NEW COUNTESS—Best Lavender.

The handsome, well-formed flowers are borne in profusion. Without a doubt, the best, clear, light lavender.

SALOPIAN—Scarlet.

One of the finest scarlets; of largest size and fine hooded form.

WAWONA—Heliotrope, Striped Cream.

The lovely flowers are of a delicate heliotrope, beautifully striped with faint, creamy white. They are of large size and finest form.

Revised and Up-to-date List of Choice Sweet Peas

FOR YOUR CONVENIENCE we have grouped the following varieties under their colors. We offer you only the choicest and best of each color. PRICE: All varieties, except where otherwise stated, 5c per pkt., 10c. per oz., 20c. per ¼ lb., 60c. per lb., postpaid.

WHITE.

Blanche Burpee. A grand large flower of beautiful form; firm, lasting substance and snowy whiteness; flowers on long, stiff stems.

Emily Henderson. The earliest blooming, standard pure white. Large flowers.

Josephine White. Extremely early. A dwarf Emily Henderson.

Mont Blanc. Extremely early. Seldom attains more than two feet in height. The flowers are a pure, paper white.

Sadie Burpee. Flowers are of the largest size and purest snowy white.

White Wonder (New). Flowers pure white, large and borne on long, stout stems; well placed near the top of the stem and generally all facing one way. The vines bloom profusely, being of unusual vigor.

BLUSH—Very Light.

Modesty. Almost white, but suffused with pink. Sensation. Large flowers; standard well expanded, of delicate, silky texture, suffused with faint blush pink.

PINK AND WHITE.

Blanche Ferry. Standard wide and erect, bright rose-pink; wings are creamy white, tinted with rose.

Extra Early Blanche Ferry. An improved strain of the very popular Blanche Ferry, beginning to flower fully a week earlier.

CREAM OR LIGHT YELLOW.

Earliest Sunbeams. Extremely early; flowers rich primrose color, borne three on long stems; dwarf grower.

Golden-Rose. The large flowers are of fine open form, with standard gracefully fluted. A clear primrose-yellow, beautifully flushed with rosy pink.

Gracie Greenwood. Flowers of good size; beautiful, soft cream, shaded delicate pink with a distinct edging of deeper pink. Very handsome sort.

Lady M. Ormsby-Gore. Standard primrose, delicately shaded with buff and fawn; wings clear primrose; of very vigorous growth.

Mrs. Eckford. Quite large size. A beautiful shade of light primrose-yellow; fine for cut flowers.

Mrs. E. Kenyon. Rich, primrose. A bold, giant flower. Can be described briefly as an enlarged and improved Mrs. Eckford.

Queen Victoria. Color a soft primrose-yellow.

Stella Morse. The color effect is richer than in any other of the creamy-yellow varieties. Has a faint tinge of pink underlying the creamy shading, producing a true apricot shade.

PINK—Light.

Agnes Johnston. A bright rose-pink standard, shaded cream; wings cream, slightly flushed with the same bright rose-pink as the standard; a broad, fully expanded flower.

Countess of Lathom. Fine, large flowers. A soft, cream tint heavily shaded with soft flesh-pink in the center of the standard and wings, shading much lighter at the edges.

Eliza Eckford. Standard flesh-pink, suffused with silvery white; wings white, occasionally suffused with soft pink.

Katherine Tracy. Soft rosy pink, lighter at edges. A fine large flower, and of strong, vigorous growth.

Lovely. The most beautiful shades of soft shell-pink, changing to very light rose at the outer edges. Grand flowers of large size.

Lady Skelmersdale. Standard, light magenta, lilac at edges, almost white at base. Wings white, tinged at times with pink.

Prima Donna. A most beautiful bright shade of blush-pink. Flowers of large size and finest form.

NITRO-CULTURE

A package of Nitro-Culture may cost about as much as your Seeds, but think of the increase in size and profusion of blooms. See page 32.

Sweet Peas—Continued

All varieties except where otherwise stated, 5c. per pkt.; 10c. per oz.; 20c. per ¼ lb.; 60c. per lb., postpaid.

PINK—Deeper Shades.

Apple Blossom. Large, beautifully hooded; shaded and edged with soft rose on silvery white.

Blushing Beauty. Soft rose-pink, delicately suffused on a silvery-white ground.

Bridesmaid. Deep carmine, shading to rose and pink. Medium size, open form.

Evening Star. Light pink, shaded on buff and primrose. Medium size, much like Venus, only of open form.

Jeanie Gordon. Very attractive; bright rose, shaded cream; slightly hooded; flowers large.

Mrs. Knights Smith. A grand variety. An entirely new shade of pink; well advanced in size and nearly a self-color; strong grower with good stems.

Triumph. Creamy white, suffused with salmon-pink, and tinged with carmine.

ROSE—Rich Shades.

American Queen. Flowers, large; most profuse in bloom; color, a clear salmon red, the large wings being of a bright, deep rose.

Her Majesty. Large, finely hooded flowers of beautiful deep, glowing rose.

Lord Roseberry. Fine form and substance; very free flowering and robust. The flowers borne on long stems, are of a rose carmine showing veins of deeper rose.

Lord Kenyon. A fine, large flower, bright rose-pink, shaded at the edges of the standard and wings, with distinct richly colored veinings.

Mrs. Dugdale. Flowers large; three on a stem; standard and wings light carmine-rose with faint markings of primrose.

Royal Rose. Deep rosy pink, with wings of a lighter shade; flowers of largest size and fine form.

Sunset. Primrose, striped with rose. Large size, hooded form.

RED AND SCARLET.

Brilliant. A very bright crimson-scarlet.

Coccinea. A distinct new color and a beautiful

Firefly. The favorite, bright scarlet variety. thing; color, bright, rich cherry, intensely brilliant.

George Gordon. Claret red, self-colored, large size hooded form.

Mars. An intense glowing scarlet.

Prince Edward of York. Flowers large and boldly expanded; standard is a bright glowing scarlet; wings are soft, deep rose.

SCARLET AND MAROON.

Black Knight. Large size; a rich, wine-brown or dark claret.

Captivation. The flowers are large and of a beautiful, bright claret shade.

Duke of Sutherland. Deep claret, with strong reddish tinge, deepening to rich purple.

Duke of Westminster. Grand, large flowers. A beautiful shade of rosy claret.

Othello. A deep maroon self-color; very large.

Scarlet Gem. The color is almost dazzling scarlet, beautiful, bright and clear. Strong growth; free flowering.

Pkt., 10c.; ½ oz., 20c.; oz., 30c.

Shahzada. Intensely rich dark maroon, with a tint of purple.

ORANGE AND SALMON.

Gorgeous. Deep salmon-orange. The coloring is intensely brilliant.

Hon F. Bouverie. Soft pinkish salmon, wings shade to a lighter salmon-buff. Charming.

Lady Mary Currie. Large, salmon-pink and shaded with carmine.

Venus. Lovely salmon-buff, shaded with rosy pink. Fine, large flowers.

LAVENDER AND LIGHT BLUE.

Admiration. Large flower; rosy lavender.

Countess of Radnor. Fine size and form. A beautiful shade of light lavender.

Dorothy Tennant. A rich shade of rosy mauve.

Fascination. A rich mauve of rosy-lavender tint.

Lady Grisel Hamilton. Most attractive light lavender shading; flowers of large size.

Lady Nina Balfour. Delicate light lavender or lilac, entirely free from any reddish tinge.

Mrs. Walter Wright. The flowers are self-colored, of a pinkish-cream tint when first opening, changing to mauve and then to a reddish violet when fully opened.

Sue Earl. Large size, hooded form, borne three on a long stem; standard primrose, mauve at edges; wings almost pure primrose.

BLUE AND PURPLE.

Captain of the Blues. The flowers have the appearance of being a true blue.

Countess Cadogan. Large flowers. The color effect is that of a bright blue.

Emily Eckford. Flowers of large size; standard, light rosy purple; wings rich, deep blue.

Navy Blue. Large flowers, deep, glowing violet-purple, having the effect of a dark navy blue.

BLUE AND WHITE.

Lottie Eckford. Large silvery-white flowers, beautifully shaded, and edged with soft lavender.

Maid of Honor. Flowers beautifully shaded with light blue on a white ground and boldly edged; deep, rich violet; very dainty.

STRIPED AND VARIEGATED.

Aurora. Flowers extra large; beautifully flaked with bright orange-salmon on a creamy-white ground.

America. Flowers large, striped with bright blood-red on silvery white ground; showy; profuse bloomer.

Gray Friar. Heavily shaded with watered, purple markings on creamy-white ground.

Lottie Hutchins. Large creamy flowers, delicately flaked and striped with light pink.

Mrs. Jos. Chamberlain. Clear, silvery white, striped soft, rosy pink.

Ramona. Creamy white, splashed with pink; good size and form.

Wanona. White, striped with lilac or heliotrope.

Cupid or Dwarf Sweet Peas

Dwarf in plant only, the blossoms being as large as the tall kinds. They grow from four to six inches high, and are beautiful grown in pots or planted for borders. Blossoms are borne in clusters of two or three, on long stems above the foliage.

White, Pink, Scarlet, Primrose, Lavender, Striped,

Maroon or Mixed

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., 85c.

Double Sweet Peas

These have two to three standards and frequently three wings. These petals are beautifully incurved and frilled. The flowers of these do not all come double.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., 85c.

SWEET PEAS IN MIXTURE.

Extra Mixed. Containing a very large variety of the old standard sorts. Good value.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 40c.

Large Flowering Mixed. This mixture, although not embracing the latest novelties, contains a beautiful assortment of the large flowering kinds.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 60c.

Portland Seed Co.'s Grand Prize Mixture

Unequaled for Size and Beauty of Flowers, and Blending of Colors.

This mixture for 1907 will surpass any we have ever sold. This is a strong claim, for last season's mixture was simply "perfection itself." Each year we add the novelties of the previous year, so that with the exception of 1907 novelties, you will get in this mixture all the choicest, finest, new, large flowering Sweet Peas grown, mixed in the right proportion to please the most critical and exacting lover of Sweet Peas. No finer mixture can be bought anywhere. Put up in full weight, one ounce, sealed packets only, at 15c. each; two for 25c.; five for 50c.; fifteen for \$1.00. (Not sold in bulk.)

TREES, SHRUBS, ETC.

We issue a 52-page Illustrated and descriptive Catalog of Fruit, Shade and Ornamental Trees, Shrubs, Plants, Etc. Free on request.

Perennial Peas

or *Lathyrus Latifolius*.

In general appearance these are the same as Sweet Peas; but the flowers are not so fragrant, although they bloom through a long season; are perfectly hardy and will live for years.

Red, White or Mixed Pkt., 10c.; oz., 35c.

STOCKS—Double Ten Weeks.

These popular flowers are easily grown, and are so highly fragrant and of such great beauty that they deserve a place in every garden. They are great improvements over the Gilliflowers of the olden times, being much larger and more densely double, and a much larger variety of colors.

Dwarf Large Flowering. White, Scarlet, Rose, Light Blue or Mixed Pkt., 10c.; $\frac{1}{8}$ oz., 50c.
Emperor, or Perpetual. Mixed Pkt., 10c.; 1-16 oz., 50c.
Winter, or Brompton. Mixed Pkt., 10c.; 1-16 oz., 50c.
Giant Perfection. Handsome pure white Pkt., 15c.; $\frac{1}{8}$ oz., 50c.
Giant Perfection. Double mixed Pkt., 10c.; $\frac{1}{8}$ oz., 75c.

SWEET WILLIAM, or *Dianthus Barbatus*.

A well-known, remarkably free-flowering plant, of brilliant colors, ranging from snow white to darkest crimson and purple. They emit a very delicate and refreshing fragrance. Hardy perennial.

Single Mixed. Very beautiful Pkt., 5c.; $\frac{1}{4}$ oz., 25c.
Dunetti. Dark crimson, single Pkt., 5c.; $\frac{1}{4}$ oz., 30c.
Pure White. Single Pkt., 5c.; $\frac{1}{4}$ oz., 25c.
Double Mixed Pkt., 10c.; $\frac{1}{4}$ oz., 25c.

SUNFLOWER, or *Helianthus*.

Stately growing annuals with immense golden yellow flowers; effective for garden decoration.

Double Dwarf Variegated. Leaves beautifully spotted with yellow. Pkt., 5c.; oz., 25c.

Double Dwarf. Covered with three inch double flowers of brightest golden yellow. Pkt., 5c.; oz., 20c.

Globulus Fistulosus. Saffron, very large, double and handsome ... Pkt., 5c.; oz., 25c.

Multiflora. Eminent, double yellow flowers. Pkt., 5c.; $\frac{1}{4}$ oz., 25c.

Argyrophyllus (Texas Silver Queen). Has handsome silver foliage and a profusion of small elegant silver flowers. Pkt., 5c.; oz., 30c.

Mammoth Russian. See Field Seeds.

THUNBERGIA.

Rapid-growing annual climbers; splendid for trailing over trellises, fences, etc.; beautiful flowers borne in profusion; buff, white, orange, etc.; 4 to 6 feet high.

Mixed Colors Pkt., 5c.; $\frac{1}{4}$ oz., 25c.

Tritoma.

Sometimes called Red Hot Poker. This is a fine, handsome plant. It is hardy, though requiring some protection through the winter. The flowers are produced in large spikes of brilliant, rich flowers. Cut flowers keep a long time. Half-hardy perennial.

Uvaria. Dazzling orange red... Pkt., 15c.

Vinca.

Tender perennial. Fine for pot culture. Flowers white and pink.

Mixed Pkt., 10c.



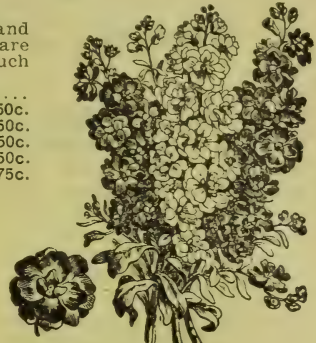
Violet.

Sweet Sultan, or *Centaurea*.

Favorite annual of easy culture. Showy for the garden and greatly prized for bouquets. The large heads of bright flowers are very fragrant; $1\frac{1}{2}$ feet. Mixed Colors. Purple, White, etc. Pkt., 5c.; $\frac{1}{4}$ oz., 15c.

Sweet Rocket or *Hesperis*.

An old hardy garden favorite. Fragrant white flowers; 2 to 3 feet Pkt., 5c.; $\frac{1}{4}$ oz., 20c.



Stocks.

VERBENA.

Very few annuals will make such a gorgeous display during the summer months, or furnish more flowers for cutting, than the Verbena. Start seed in the house or under glass early in the spring, and transplant after three or four inches of growth. They flower in July and continue strong and healthy until destroyed by frost.

Hybrida Choicest Mixed. Very finest Pkt., 10c.; $\frac{1}{4}$ oz., 50c.

Mammoth Mixed. Selected; extra large, fine. Pkt., 10c.; $\frac{1}{4}$ oz., 40c.

Fine Mixed. Pkt., 5c.; $\frac{1}{4}$ oz., 25c.

Candidissima. Mammoth white Pkt., 10c.; $\frac{1}{4}$ oz., 50c.

Scarlet Defiance. Fiery scarlet.. Pkt., 10c.; $\frac{1}{8}$ oz., 50c.

Pink Shades Pkt., 10c.

Striped Pkt., 10c.

Coerulea. Bright blue... Pkt., 10c.

Yellow. Primrose color... Pkt., 10c.

Lemon Verbena.

Every garden should have a few plants of this fragrant favorite. Its pale green foliage goes well with any flower. Pkt., 10c.

Viscaria—Rose of Heaven.

Their profuseness of bloom will always rank them among general favorites.

Fine Mixed Pkt., 5c.

VIOLETS.

Viola Odorata is the well-known English Violet, a free flowering, hardy perennial. Easily grown from seed, though somewhat slow in germinating; succeeds best in partially shaded moist places.

Odorata Blue. Very fragrant Pkt., 10c.; $\frac{1}{8}$ oz., 50c.

Odorata White. Very fragrant Pkt., 10c.

Odorata. Finest mixed Pkt., 10c.; $\frac{1}{4}$ oz., 75c.

Valeriana.

Fine border plants; sweet scented flowers. Fine Mixed Pkt., 5c.

Virginian Stock.

A fine, early flowering plant. Hardy annual.

Mixed Pkt., 5c.; $\frac{1}{4}$ oz., 15c.

WALL FLOWER.

(Cheiranthus Cheri.) Produces spikes of beautiful, exceedingly fragrant flowers. Half hardy perennial.

Mixed. Single, large flowering Pkt., 5c.; $\frac{1}{8}$ oz., 25c.

Parisian Forcing. Single Pkt., 10c.

Finest Double Mixed Pkt., 10c.; $\frac{1}{8}$ oz., 75c.

Xeranthemum.

Everlasting flowers. Hardy annual. Double Mixed Pkt., 5c.

Zea, or Ornamental Maize.

Japonica Variegata. Finest mixed. All varieties..... Pkt., 5c.

Gracillima. Gigantea mixed Pkt., 5c.

ZINNIA ELEGANS.

Of easiest cultivation and should be in every collection. Half-hardy annuals.

Tall Double. Mixed Pkt., 5c.; $\frac{1}{4}$ oz., 25c.

Dwarf Double. Mixed Pkt., 5c.; $\frac{1}{8}$ oz., 25c.

Dwarf Scarlet Pkt., 10c.; $\frac{1}{8}$ oz., 25c.

Elgin, Or., Feb. 11, 1906.
Portland Seed Co.
Gentlemen. We have used your seeds for about six years and are highly pleased with them.

Yours very respectfully,
Mrs. Lucy Brugger.

For a small outlay of money
you can gain knowledge that
has taken others years of
study and experience to gain

BOOKS

KEEP YOURSELF "UP TO
DATE" BY READING THE
LATEST BOOKS BY
PRACTICAL MEN

ALL BOOKS SENT POSTPAID AT THE FOLLOWING PRICES:

FARM, GARDEN AND MISCELLANEOUS

Alfalfa, Coburn	\$0.60	Keeping One Cow	1.10
Asparagus Culture .....	.55	Landscape Gardening. S. T. Maynard	\$1.60
Apple Culture, Field Notes. Bailey .....	.85	Landscape Gardening. F. A. Waugh .....	.60
Basket Making With Raffia .....	.30	Mushrooms, How to Grow Them. Wm. Falconer	1.10
Beautiful Flower Gardens .....	.50	Mushroom Culture. Paper cover .....	.15
Blackberry and Raspberry Culture. Littooy ..	.40	Manures, How to Make and How to Use Them. Frank W. Sempers .....	.50
Cabbages, On. Gregory .....	.40	Manures, Bommer's Method of Making .....	.30
Cabbages, Cauliflower, Etc. ....	.60	Nut Culturist. Fuller	1.60
Celery for Profit. Greiner .....	.30	Onion Culture (New). Greiner .....	.60
Cranberry Culture. J. J. White	1.25	Onions, How to Raise Them .....	.30
Dairying for Profit .....	.30	Our Farm of Four Acres .....	.40
Draining for Profit and Health. Waring	1.10	Practical Fruit Grower. Maynard .....	.60
Farm Gardening and Seed Growing. Brill	1.10	Principles of Fruit Growing	1.40
Fertilizers, On. Gregory .....	.50	Profitable Dairying. Peck. 174 pages .....	.85
Fertilizers. Edward A. Voorhees	1.10	Potato Culture, A B C of. Terry .....	.50
Feeding and Management of Stock. Prof. Shaw	1.10	Potato, The (New). 180 pages .....	.85
First Book of Farming (New). C. L. Goodrich.	1.10	Prize Gardening. Fiske	1.10
Forage Crops. Thomas Shaw	1.10	Pruning Book, The. L. H. Bailey	1.60
Fruit Garden. Barry's	1.65	Raspberry and Blackberry Culture. Western. Littooy .....	.40
Fungi and Fungicides. Clarence M. Weed. Cloth	1.10	Rhubarb Culture (New)	1.10
Gardening and Farm Topics. Henderson	1.15	Rose, The. H. B. Ellwanger	1.35
Gardening for Pleasure	1.75	Rose, On the. Parsons	1.10
Gardening for Profit. New enlarged edition. Peter Henderson	1.75	Roses and How to Grow Them (New)	1.10
Grasses and Forage Plants. Flint	2.50	Spraying Crops. Weed .....	.60
Grasses and How to Grow Them. Prof. Shaw	1.60	Strawberry Culturist. Fuller .....	.35
Greenhouse Construction. Prof. L. R. Taft ..	1.60	Strawberry, The A B C of. Terry and Root ..	.50
Greenhouse Management. Prof. L. R. Taft ..	1.60	Small Fruit Culturist. Fuller	1.10
Ginseng. Maurice G. Kains. Revised .....	.60	Silos, Ensilage and Silage. Miles .....	.60
Hedges, Windbreaks, Etc. E. P. Powell .....	.60	Soiling Crops and the Silo. Thomas Shaw	1.60
How to Plan the Home Grounds (New)	1.10	Ten Acres Enough. 225 pages. Roberts	1.10
Hunter and Trapper .....	.60	Tomato Culture, Western. By Littooy .....	.40
Hop, The. Herbert Myrick	1.60	Vegetables, Open Air .....	.30
Insects Injurious to Fruits. Saunders	2.25	Vegetable Gardening. S. B. Green	1.10
Insects and Insecticides. C. M. Weed	1.60	Violets, How to Make Money Growing Them..	.30
Insects of the Farm and Garden, Injurious. Treat	1.60	Window Flower Garden, The .....	.60

BEES

A B C of Bee Culture. For the veteran as well as the beginner. While the book is in a true sense an A B C of Bee Culture, in that it is adapted to the requirements of beginners, no veteran, no matter how extensive his experience, can afford to be without a work of this kind, containing as it does a carefully prepared treatise on every late method of practice known to the business; 500 pages, cloth bound

Bee Keeper's Guide. Cook	\$1.35
Forty Years Among Bees. Miller	1.10
How to Keep Bees (New)	1.10
How to Produce Extracted Honey .....	.20
Modern Queen Rearing .....	.20

POULTRY AND PIGEONS

American Standard of Perfection. This book is used as a guide in producing standard-bred or exhibition fowls. In this book will be found the name of every breed and variety of chickens, turkeys, ducks and geese, and a minute description of each variety, male and female, covering every section in both shape and feathering. Every fancier should have this new 1905 edition (the latest)

Asiatics, The .....	.50
Art of Poultry Breeding .....	.25
Artificial Incubating and Brooding .....	.50
Bantam Fowl, The .....	.50
Capons for Profit. Greiner .....	.50
Cornell Book on Artificial Incubation .....	.50
Duck Culture. Rankin .....	.30
Ducks and Geese .....	.50
Eggs and Egg Farms .....	.50

Five Hundred Questions Asked and Answered.	\$0.25
Leghorns, All Varieties .....	.50
Low Cost Poultry Houses .....	.25
Money in Squabs. 85 pages .....	.55
Pigeon Querles .....	.25
Practical Pigeon Book. 165 pages .....	.60
Plymouth Rocks, All Varieties .....	.50
Poultry Houses and Fixtures .....	.25
Poultry Manual. F. L. Sewell and Mrs. I. E. Tilson .....	.60
Reliable Poultry Remedies .....	.25
Success with Poultry	1.00
Turkeys, Care and Management ..	.50
Wyandottes, All Varieties .....	.50

Note—"Artificial Incubating" and "Success with Poultry" should be in every poultryman's library. The knowledge gained by reading these two books will be worth ten times the price of the books.

BOOKS FREE

You can get any of the above books free.
See premium offer, inside front cover.

BOOKS FREE

CLOVER AND GRASS SEEDS

The farmers and stockraisers should, and are, turning their attention to the raising of more grass, clover and forage plants. There are a great many of these seeds offered by Eastern seedsmen (often under new names), that do not produce profitable crops here. We have prepared for you a list of the kinds that are best adapted to this Coast, and by carefully perusing this and the following pages you will get valuable information that has taken years of study, trial and experimenting to procure.

IMPORTANT— Please Read Following Paragraph — IMPORTANT

Prices per single pound include postage. Prices per hundred pounds are only printed so as to give you a general idea of the average selling prices.

YOU WILL ALWAYS GET YOUR MONEY'S WORTH

Prices on grass and lawn seeds change occasionally, therefore we cannot print prices good for any length of time. When ready to buy, write us for special prices, stating quantity, or order what you want at catalog prices and we guarantee that we will give you full value for the money sent, whether the price at the time you order be higher or lower. In other words, we will always ship seed to cover the full amount of money sent to us.

Alfalfa or Lucerne Clover

(Medicago Sativa.)

The immense cattle and sheep interests of the Western States could not exist if it were not for Alfalfa. It is no doubt one of the best fodder plants in the West. It should be cut just before coming into bloom. The hay is especially valuable for dairy cows. As soon as cut it immediately commences to grow, and during the hottest and driest weather, when other grasses are parched and withered, it remains fresh and green and grows as rapidly as ever. On the low lands it is not an unusual thing to harvest five or six crops of hay from the same field in one season without irrigation, and the same result is obtained on high, dry lands where irrigation is resorted to. It will not succeed on hard clayey soils. Its roots, in seeking moisture, penetrate to incredible depths. The seed should be sown in spring, after danger from freezing the young plants is over, or in the fall, early enough to give it a good stand before frost.

Per lb., postpaid, 30c.; 100 lbs., \$16.00.

Turkestan Alfalfa

Will produce a luxuriant growth in the driest and hottest sections, without irrigation. It is perfectly hardy and will stand extreme cold in winter without harm. It yields a very heavy and rich crop of hay and makes a permanent pasture. We have secured a good stock of the pure, genuine imported seed.

Per lb., postpaid, 35c.; 100 lbs., \$18.00.

Dry Land Alfalfa

For High, Dry, Hot Land.

This new Dry Land Alfalfa, will produce large, profitable crops of hay and excellent pasture on the high, dry lands of Eastern Oregon, Washington, Idaho and Utah. This is especially recommended for the hills and plateaus where irrigation is impossible. This new "Dry Land" Alfalfa is what might be called "a new strain, acclimated to dry land." We have genuine Dry Land Alfalfa grown for us in large quantities. It comes from the highest, driest alfalfa sections, and is very superior seed.

Per lb., postpaid, 35c.; 100 lbs., \$17.00.

Red Clover

(Trifolium Pratense.)

The standard Clover for all purposes. Hardy and succeeds well on any good soil. Makes superior hay—especially if mixed with Timothy—either for dairy cows or for general use.

Per lb., postpaid, 27c.; 100 lbs., \$12.50.

MAMMOTH RED CLOVER.

Grows very large and is used almost exclusively for plowing under for manure.

Per lb., postpaid, 30c.; 100 lbs., \$15.50.

White Dutch Clover

(Trifolium Repens.)

A small variety, having a white blossom. Of a vining nature, spreading rapidly. Superior for pasture, and unsurpassed for the production of honey. It also makes a beautiful lawn when mixed with Blue Grass.

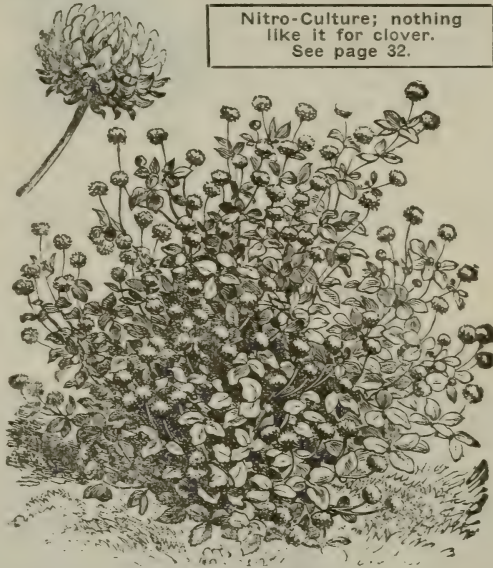
Choice Seed, per lb., postpaid, 35c.; 10 lbs., \$1.80.
Fancy Seed, per lb., postpaid, 40c.; 10 lbs., \$2.25.

ESPERSETTE, OR SAIN FOIN.

(Onobrychis Sativa.)

A deep rooting, perennial legume, extensively cultivated on dry, calcareous soils which are too barren for Clover or Alfalfa. Sow 50 pounds per acre.

Per lb., postpaid, 30c.; 100 lbs., \$14.00.



Nitro-Culture; nothing like it for clover.
See page 32.

ALSIKE CLOVER.

Alsike or Swedish Clover

(Trifolium Hybridum.)

A perfectly hardy perennial variety which is rapidly growing in popular favor. Excellent for hay and pasture. Valuable for bees. Resists both drought and excessive moisture. The hay of this variety is greatly preferred by some to that of Red Clover, for the reason that it is generally finer, brighter and not so dusty, making it better for horses.

Per lb., postpaid, 30c.; 100 lbs., \$14.00.

Bur Clover

(Medicago Denticulata.)

Yields a rank and abundant growth of nutritious herbage valuable for dairies, stock ranges and fertilizing purposes. Bur Clover not only makes a good green fodder, but it bears a large amount of exceedingly nutritious seed burs, which will keep stock fat during the dry season. According to experimental station reports on this Coast, Bur Clover is superior to Alfalfa for fattening stock, because of its large contents of carbo-hydrates and fat. Sow in the spring or fall, 15 to 20 lbs. per acre.

Per lb., postpaid, 35c.; 10 lbs., \$2.00; 100 lbs., \$17.00.

Crimson or Scarlet Clover

(Trifolium Incarnatum.)

Highly commended for pasture, and fertilizing purposes. It is a thrifty annual, growing from twenty to thirty inches high. It germinates quickly, grows rapidly and stools abundantly. Cut for hay when in full bloom.

Per lb., postpaid, 25c.; 100 lbs., \$12.50.

BOKHARA, SWEET OR HONEY CLOVER.

(Melilotus Alba.)

A rapid growing, white flowered sort; excellent for bees. Sow ten pounds per acre.

Per lb., postpaid, 40c.; 100 lbs., \$22.00.

For amount of Seed to sow per acre, see table inside back cover.

Grass Seed Prices subject to change without notice. See note on page 49.

Bromus Inermis

(Russia Forage Grass—
Awnless Brome Grass.)

This Bromus, on account of its strong perennial character, and its unusual drouth-resisting powers, is the best grass we have for the semi-arid regions of the Northwest. It will stand the longest drouth of all forage plants. Its running roots take a deep and permanent hold upon the land, and it will replace, in a large degree, the fast disappearing Bunch Grasses of Eastern Oregon and Eastern Washington, where it has done well. It grows luxuriantly, is freely eaten in either the dry or green state by cattle, and yields enormously, making the best of hay for horses or cattle. It is a perennial and yields from 4 to 6 tons to the acre. Per lb., postpaid, 30c.; 100 lbs., \$12.50.



Bromus Inermis.

Timothy

(Phleum Pratense.)

This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall.

Per lb., postpaid, 20c.; 100 lbs., \$6.00.

Kentucky Blue Grass

(Poa Pratensis.)

One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during the greater part of the year.

For Lawns—Blue Grass is used very extensively for lawns and is found in all lawn grass mixtures. It is the best grass known for lawns and parks.

Per lb., postpaid, 30c.; 100 lbs., \$16.50.

BLUE GRASS, CANADA.

(Poa Compressa.)

Recommended in all pasture mixtures on dry soil; thrives well on clay or hard trodden and poor soil.

Per lb., postpaid, 30c.; 100 lbs., \$13.50.

Red Top

(Agrostis Vulgaris.)

A good perennial grass. Generally sown for permanent pastures. Does best on moist or even marshy land. If the ground is not overflowed land it is advisable to mix it with Meadow Fescue, Orchard Grass or Alsike Clover.

Prime Seed, per lb., postpaid, 20c.; 100 lbs., \$6.50.

Fancy Clean, Extra Heavy. A very superior grade of Red Top that is free from chaff and light seed.

Per lb., postpaid, 30c.; 100 lbs., \$13.00.

MESQUITE.

(Holcus Lanatus.)

It is usually sown on virgin soil, without cultivation, after the ground has been burned over. Sow about 35 pounds to the acre.

Per lb., postpaid, 25c.; 100 lbs., \$7.50.

Meadow Fescue

(Festuca Pratensis.)

Perennial; grows three to four feet high. Roots deep, thus resisting drouth. It succeeds on any ordinary soil; yields a heavy crop of superior hay; one of the best grasses for pastures. Valuable to mix with other kinds.

Per lb., postpaid, 25c.; 100 lbs., \$11.50.

Dry Land Fescue

This is especially adapted to rough, hilly country, and, in fact, to most varieties of land on which it is practically impossible to grow any other kind of seed. Sow either in spring or fall; from 20 to 30 pounds to the acre.

Per lb., postpaid, 30c.; 10 lbs., \$2.00; 100 lbs., \$16.00.

Single pound prices on Grass Seed include postage. In ordering by freight deduct 10c per lb. 100-lb. prices subject to change. See page 49.

Orchard Grass

(Dactylis Glomerata.)

One of the most valuable of all the cultivated grasses, blooming with Red Clover, and making with it admirable hay. As a pasture grass it is more productive than any other, and does best under close feeding. Per lb., postpaid, 30c.; 100 lbs., \$14.50.

English Rye Grass

(Lolium Perenne.)

A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay.

For Lawns this is used and recommended by many of the best gardeners. If sown thickly it makes a fine lawn, and for large grounds and parks is very successful.

Per lb., postpaid, 20c.; 100 lbs., \$7.50.

Italian Rye Grass

(Lolium Italicum.)

A quick-growing grass, attaining a height of 2½ to 4 feet; very desirable for meadows or permanent pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and bears an abundance of foliage that makes the best and sweetest hay imaginable.

Per lb., postpaid, 25c.; 100 lbs., \$8.00.

SWEET VERNAL.

(Anthoxanthum Odoraturn.)

Valuable to put in pasture mixtures and lawn grass on account of its earliness and its delightful fragrance when in bloom.

Per lb., postpaid, 35c.; 100 lbs., \$20.00.

BROMUS SCHRADERI.

(Rescue Grass.)

Also known as Bromus Unioloides. It is well adapted to moist, low lands, and gives a large yield of excellent hay in a short period of time, after which it makes green pasture for the balance of the season. Per lb., postpaid, 40c.; 100 lbs., \$25.00.

TALL MEADOW OAT GRASS.

(Avena Elatior.)

Often attains a height of three to four feet by the middle of June. Makes splendid hay and thrives on sandy loam, but makes its best growth where there is some clay. Can be fed as a pasture grass, and will generally bear cutting three times. For mixing with Perennial Rye and Alfalfa for sandy soils it is excellent. Sow about 30 to 40 lbs. per acre alone, or half that amount if mixed with the above varieties. Per lb., postpaid, 35c.; 100 lbs., \$18.50.

JOHNSON GRASS.

(Sorghum Halepense.)

A perennial of luxuriant growth. It has strong roots that penetrate to considerable depth, enabling it to withstand drouth well. It belongs to the Sorghum family and is sweet and nutritious and much relished by stock. Per lb., postpaid, 35c.; 100 lbs., \$15.00.



Tall Meadow Oat Grass, paid, 35c.; 100 lbs., \$15.00.

PHALARIS REED CANARY GRASS.

Will Grow on the Wettest Land You Have.

A grass that will grow on stiff, wet land, even if the ground is overflowed for a month or six weeks. Very valuable for the low lands along the Columbia and Willamette Rivers. The roots are very strong and creep extensively, making this grass particularly valuable for binding river banks. Makes a good hay if cut early in the season. Sow 10 pounds per acre. Price, ½ lb., 45c.; lb., 90c.; postpaid; by freight, 5 lbs., \$3.75.

For amount of Seed to sow per acre, see table inside back cover.

Grass Seeds—Continued

Don't overlook the good Books we offer on page 48. The successful farmer reads them.

CREEPING BENT GRASS.

(*Agrostis Stolonifera*.)

Well adapted for sandy pastures, near the coast, and good for pasture on low lands. If sown alone, use 25 pounds per acre.

Per lb., postpaid, 40c.; 100 lbs., \$25.00.

RHODE ISLAND BENT GRASS.

(*Agrostis Canina*.)

Resembles Red Top. Makes a close sod; valuable for permanent pastures and meadows.

Per lb., postpaid, 40c.; 100 lbs., \$25.00.

CRESTED DOG'S TAIL.

(*Cynosurus Cristatus*.)

A perennial grass with short, narrow leaves, valuable for lawns or pastures on dry, light land.

Per lb., postpaid, 55c.; 10 lbs., \$4.00.

BERMUDA GRASS.

(*Cynodon Dactylon*.)

Suitable only for climates where the winters are not below the freezing point. It stands the hottest and driest season. Sow 6 pounds per acre.

Per lb., postpaid, 90c.

HARD FESCUE.

(*Festuca Duriuscula*.)

Fine, rather dwarf, justly noted for its drouth-resisting qualities. Valuable as a pasture for sheep. Sow 20 pounds per acre.

Per lb., postpaid, 35c.; 10 lbs., \$2.00.

MEADOW FOXTAIL.

(*Alopecurus Pratensis*.)

Stands intense summer heat without burning. Sow 25 pounds to the acre.

Per lb., postpaid, 45c.

FLOATING FESCUE.

(*Festuca Fluitans*.)

A perennial with long, creeping roots and preferring a rich, muddy or alluvial soil. Trout and wild ducks are very fond of the seed and tender shoots.

Per lb., postpaid, 45c.

SHEEP'S FESCUE.

(*Festuca Ovina*.)

Grows freely in high, dry and open pastures. Its chief merit is for sheep pasture. Thirty-five pounds to the acre.

Per lb., postpaid, 35c.

WATER FESCUE.

(*Glyceria Fluitans*.)

This grass grows naturally in and beside ditches, pools, rivers and marshes.

Per lb., postpaid, 45c.

ROUGH-STALKED MEADOW GRASS.

(*Poa Trivialis*.)

A most valuable grass which flourishes in moist, rich soils.

Per lb., postpaid, 55c.; 10 lbs., \$4.00.

FOWL MEADOW.

(Or False Red Top.)

It yields well when sown on low, moist land. It can be mowed almost any time from July to October. Sow 25 lbs. to the acre.

Per lb., postpaid, 40c.

Grass Seed Prices subject to change without notice. See note on page 49.

Centennial Park—Lewis & Clark Fair Grounds

This photograph shows a portion of the lawns that were sown with our "Diamond Brand" Fancy Lawn Grass Seeds. Everyone who visited the Exposition praised the lovely lawns our seed produced.



Portland Seed Co.'s "Diamond Brand" Fancy Mixed Lawn Grass Seed

To have a good lawn, the soil must be fine and rich, and well leveled. Then the best seed obtainable should be used on it. You must not expect to make a fine lawn with cheap seed. The best lawn grass mixture will cost more at first than the poorer substitute, but it will be found much cheaper and more satisfactory in the end. Sow our "Diamond Brand" Fancy Mixed Grass Seed. None better.

More fine lawns in the Northwest have been made from Portland Seed Co.'s Mixtures than from any other. We use only the choicest, re-cleaned, heavy, grass seeds. Our seed will produce a fine, thick, velvety lawn in a few weeks time if you prepare the ground properly, and sow the seed thickly. Don't buy cheap seed. It only means a poor lawn. Sow our seed at the rate of one pound to twenty feet square; 10 to 15 lbs. to the average city lot. Per lb., 25c.; postpaid, 35c.; by express or freight, 10 lbs., \$2.25.

Fine Mixed Lawn Grass

This is a good, clean mixture, composed of hardy, compact growing grasses, and for the price is of good value.

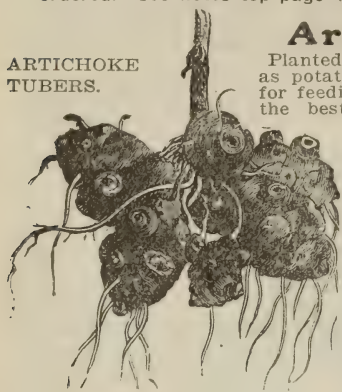
Per lb., postpaid, 25c.; by express, 10 lbs., \$1.50.

For amount of Seed to sow per acre, see table inside back cover.

Field and Miscellaneous Farm Seeds

Single pound prices include postage. If ordering by freight or express deduct 10c. per pound; 100-pound prices subject to market changes. Seed to cover amount remitted always sent unless otherwise ordered. See notes top page 49. Write for prices on large quantities.

ARTICHOKE TUBERS.



Artichokes

Planted and cultivated same as potatoes. Of great value for feeding stock. They are the best hog feed known.

They are remarkable for their fattening properties, great productiveness (over one thousand bushels having been raised on one acre) and ease with which they can be grown. They need not be dug; if hogs are turned in on them they will help themselves by rooting. One acre will keep from twenty to thirty hogs in fine condition from October until April, except when the ground is frozen too hard for them to root. They are also said to be a preventive of cholera and other hog diseases, and they are also highly recommended for milch cows, increasing the yield of milk, and at the same time improving their condition. Plant 10 bushels per acre early in the spring.

Per lb., postpaid, 15c.; 100 lbs., \$2.00.

Australian Salt Bush

A Fine Forage Plant for Arid Soils.

This is a most wonderful forage plant, as it will grow freely in arid and alkali lands that will produce no other vegetation, yielding a marvelously liberal foliage which is eagerly eaten by all kinds of stock. It is of creeping habit. It has been proved that after three or four crops have been grown on alkali land that the soil is then capable of producing any other vegetation. This plant has been very extensively tried at the California Experimental Station, where single plants, grown on the poorest alkali ground, have reached a diameter of 16 feet in one season. One pound of seed will plant an acre if evenly scattered over the surface. The seed should be mixed with ten times its weight of sand or ashes to facilitate its distribution. Sow the seed in the fall or spring (winter sowing is not desirable) before a rain if possible, on well pulverized soil, and cover it lightly (about one-eighth of an inch) with a light harrow or brush. If desired, plants may be grown by sowing the seed in boxes or garden bed, covering lightly, and planting the seedlings when desired, when from two to three inches high, six to seven feet apart. If the weather is dry when transplanting, supply a little water to each plant. Pkt., 5c.; oz., 10c.; ¼ lb., 40c.; lb., \$1.25, postpaid. Special price in quantity.

Broom Corn

Improved Evergreen. An improvement on the common Evergreen. Does not grow as tall as the old variety. The brush is fine and of light green tint. Per lb., postpaid, 25c.; 10 lbs., \$1.00.

Bird Seed

Not for Planting.

P. S. Co.'s Best Mixed	Per lb., postpaid, 20c.
Canary—Best Re-cleaned	Per lb., postpaid, 20c.
Hemp	Per lb., postpaid, 20c.
Millet	Per lb., postpaid, 20c.
Rape	Per lb., postpaid, 20c.
Cuttle Bone. Large bone	Postpaid, 2 for 5c.

Underwood, Wash., May 12, 1905.

Portland Seed Co.

Gentlemen: Your Shadeland Wonder Oats are truly a fine oat. My garden is doing fine. I think it pays to buy the good seed, and I always get the best of Portland Seed Co., so accept my thanks. Mrs. ARMA WISE.

Barley

Beardless. The earliest barley known. The straw is about the height of the common barley, but better, and will stand up on any land; with good season and land has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long, harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless, and as easy to grow and handle as oats. It is becoming more popular each season.

Per lb., postpaid, 15c.; 100 lbs., \$2.25.

White Hulless. (Bald Barley). A grand Barley for stock feeding. Grain plump, heavy and when threshed is hulless like wheat. A heavy cropper. When grown and cut for hay it produces a magnificent crop which is very rich and almost equal to a grain feed. Much relished by horses and stock of all kinds. An excellent hog feed. Culture same as common Barley.

Per lb., postpaid, 20c.; 10 lbs., 50c.; 100 lbs., \$3.00.

Chevalier. A great improvement on the regular Barley. This is much earlier, free from rust and an enormous yielder. Will outyield common barley two or three times. It stands up well and seems to be adapted to all kinds of soil. The heads are always filled with good, plump, heavy grains that have a very thin hull.

Per lb., postpaid, 20c.; 50 lbs., \$1.25; 100 lbs., \$2.25.

Common. We always aim to have a nice, clean stock of good Seed Barley on hand at all times.

Per lb., postpaid, 15c.; 100 lbs., market price.

Buckwheat

Common. Per lb., postpaid, 15c.; 100 lbs., \$3.00.

Silver Hull. A very good and popular variety. Grain is of a light gray color, rounder than the common; has a thin husk; matures earlier and yields heavily. A good milling variety.

Per lb., postpaid, 20c.; 100 lbs., \$3.50.

Japanese. This variety excels all others; yields much heavier; ripens one week to ten days earlier, stands up better and makes better flour. Excellent for bee pasture.

Per lb., postpaid, 20c.; 100 lbs., \$3.50.

Cheat Seed

Cheat yields a good crop of hay especially on low or moist soil and will stand considerable overflow without harm. It makes an excellent hay for cows or horses but should be cut before it gets too ripe. Sow in the fall or early spring same as oats and about 100 pounds per acre.

Per lb., postpaid, 15c.; 10 lbs., 20c.; 100 lbs., \$1.40.

Corn Wheat

(Or German Roggen.)

This new cereal has been gaining in popularity very rapidly the last few seasons. It is claimed that it will out-yield corn and double the yield of wheat. The kernel is hard, and when ground it makes the same kind of meal as corn, and has superior fattening qualities to either corn or wheat. It yields 50 to 100 bushels of grain which is excellent for fattening hogs or cattle. It takes the place of rye for a green food, yielding nearly twice as much per acre. Every farmer should give this a trial. Prepare your ground the same as you would for oats or wheat, and sow in the spring or fall, at the rate of 75 to 100 lbs. to the acre. Price of Seed: Per lb., postpaid, 20c.; by freight or express, 10 lbs., 75c.; 100 lbs., \$4.50.

Portland Seed Co.

Gentlemen: The Corn Wheat we purchased of you last year did fine. Yours respectfully,
W. A. PREWETT.

Parkersburg, Oregon.

Field and Miscellaneous Farm Seeds—Continued

Read the note, top of page 52, regarding prices of Field Seeds.

Cow Peas

These so-called "Cow Peas" are really a small bean of strong running growth, with a large and abundant glossy, dark-green foliage. Most desirable for enriching the soil and for furnishing a large crop of nutritious forage. These so-called "Cow Peas" gather quantities of nitrogen from the air, a portion of which is conveyed to the soil by the roots, but a much larger amount can be stored in the soil for fertilizing by allowing the vines to die down and plowing them under. They yield as high as five to nine tons of green feed per acre. The vines may be cut either for feeding green or can be cured like clover for winter use. Sow two bushels per acre.

Whip-Poor-Will The earliest maturing variety of upright or bush growth. The seeds may be gathered and the plants harvested more readily than with the running type of growth. Per lb., postpaid, 20c.; by freight or express, 10 lbs., 90c.; 100 lbs., \$7.50.

Clay. These vine more than the Whip-Poor-Will and are most desirable for ensilage; for this purpose the seed should be planted in the hills with field corn, as the vines running up the cornstalks are easily harvested and the combination of cornstalks and bean vines makes excellent ensilage, and the land is more readily cultivated than where the Cow Peas are sown alone. Per lb., postpaid, 20c.; by freight or express, 10 lbs., 85c.; 100 lbs., \$7.00.

Black Eyed. Quick grower. Peas white, with black eye. A good cropper and an excellent soil enricher. Per lb., postpaid, 20c.; by freight or express, 10 lbs., 85c.; 100 lbs., \$7.00.

Field Peas

Field Peas are a very profitable crop and are grown here very extensively. They can be grown alone or with oats. When planted with grain and cut green they make a large amount of very rich feed; also very valuable for enriching the soil if plowed under. The dry peas make excellent hog feed and are quite fattening. Sow, if alone, 120 pounds to the acre; if with other grain, 60 pounds.

White Canadian. A leading kind; seed almost white; a heavy cropper.

Per lb., postpaid, 15c.; 100 lbs., \$3.00.

Blue Prussian. Very much like the above, except in color. This variety is largely sold for soup peas.

Per lb., postpaid, 15c.; 100 lbs., \$3.25.

Swiss. A three-cornered pea; excellent for cooking purposes. Vines small. One peculiarity of these peas is that they are never infected with bugs.

Per lb., postpaid, 20c.; 10 lbs., 70c.

Flax Seed

Re-cleaned for planting.

Per lb., postpaid, 20c.; 100 lbs., \$5.00.

Flax for other purposes. Per lb., 20c.; 100 lbs., \$4.00.

Ground Flax, for medicinal uses. Per lb., 25c.

Flax Seed Meal, for feeding purposes. 100 lbs., \$2.00.

Idaho Pea or Coffee Berry

A forage plant, valuable for semi-arid lands. Yields excellent crops of feed for horses, cattle, sheep and poultry. The peas, when nicely browned and ground, make an excellent beverage.

Per lb., postpaid, 25c.; 10 lbs., 70c.

Kaffir Corn

An excellent fodder plant, yielding a large crop of fodder during a season. Grows four to five feet high; upright stalk, with numerous large leaves. Greatly relished by cattle and horses. The seed crop is also heavy, sometimes yielding 60 bushels to the acre. It does best sown in drills three feet apart, using six to eight pounds of seed per acre.

Per lb., postpaid, 25c.; 10 lbs., 70c.; 100 lbs., \$5.00.

Don't overlook the good books we offer on page 48. The successful planters read them.

Lentils

Succeed best in dry, sandy soil. A leguminous annual, the seeds of which are valuable for pigeons, and are largely used for soups. The leafy stalks make good forage.

Per lb., postpaid, 25c.; 10 lbs., \$1.00; 100 lbs., \$9.00.

Milletts

Sow in April. May or June/12 pounds for seed or 20 pounds for hay per acre.

German, or Golden. An improved variety, yielding a larger crop of seed than the Common Millet. It is also taller than the Common, and yields a heavier crop of hay.

Per lb., postpaid, 20c.; 100 lbs., \$3.75.

Hungarian. A dwarf annual Millet. It is finer than the Common German Millets, but produces a closer stand and yields almost as much per acre as the taller varieties. Superior for hay.

Per lb., postpaid, 20c.; 100 lbs., \$4.25.

Oregon Golden. An improved variety, medium early, growing from three to five feet high. The heads are closely condensed, though the spikes are very numerous. The seeds are contained in rough, bristly sheaths, and are round, golden yellow and beautiful in appearance.

Per lb., postpaid, 20c.; 100 lbs., \$4.75.

New Siberian. New and wonderfully productive. Extremely hardy and about two weeks earlier than the German Millet, growing about four feet in height.

Per lb., postpaid, 20c.; 100 lbs., \$4.25.

Common. A variety growing from three to four feet high, having rather broad blades and strong stalks. For a seed crop sow fifteen pounds per acre, for hay and pasture use 30 lbs.

Per lb., postpaid, 20c.; 100 lbs., \$3.25.



MILLET.

Oats See next page.

Ten Acres Enough

A practical experience showing how a very small farm was made to keep a very large family, by Isaac Philip Roberts, formerly dean of Cornell University.

In short it tells how a practical man gave up the struggle of business in the city and settled on a farm of 10 acres and made a success of it. Very interesting and one of the best works up to date. 5x8 inches, 225 pages. Cloth bound, \$1.10 postpaid.

Rape, Dwarf Essex

True, Pure Seed.

One of the best forage plants, on account of the large amount of green feed it will produce at a season of the year when everything else is dried up. It is highly recommended by Professor Shaw, as well as many other leading authorities on stock feeding. It has yielded ten tons of green forage per acre, and has twice the feeding value of green clover. Sheep, swine, cattle and poultry eat it readily, but it is particularly desirable for sheep and hogs, on account of its fattening qualities. Rape will do well on almost any soil. Very valuable for ploughing under as green pasture. Sheep or lambs can be turned into it within six to eight weeks after sowing. Prepare the ground as for turnips, and sow any time from May till September: or plant it with grain. Sow, per acre, four pounds, in drills; or, if broadcast, eight pounds.

Per lb., postpaid, 25c.; 10 lbs., \$1.00; 100 lbs., \$8.00.

Farm and Field Seed prices subject to market changes. Write for special quantity price.

Field and Miscellaneous Farm Seeds—Continued

Seed Oats

The country is flooded with poor Seed Oats that are hardly fit to plant, and yield only 20 to 30 bushels of inferior grain per acre. It is better to sell these oats for feed and sow improved varieties that will yield two or three times as much. New Seed Oats will cost you a few dollars more at the start, but the increase in yield will make up the difference and leave you a handsome profit. Try it this season and see for yourself. Read reports, on next page, and then figure out the profit.

Great Western

Introduced by Us in 1905.

A New Oat for Oregon. A Regular Gold Mine.

The earliest Oat in cultivation; may be sown as late as June. Heavy yielder, grain plump, hull thin, kernel meaty, an excellent stooler and stands up well.

Every one who has seen the grain of this new Oat pronounces it at once a very handsome Oat. The grains are extra large, of fine, bright color, short and plump and perfectly smooth and free from beards. We pronounce it the finest looking oat we have ever seen. The yield, quality and size of the grain this past season was excellent, the stand was heavy, the straw grew strong, and heads filled out remarkably well. If our customers could have seen this Oat in the field and returns from the thresher at harvest time, all would want a supply of seed. We can not understand why many farmers persist in planting year after year inferior, run-out oats, when such seed as "Great Western" can be obtained at reasonable prices. There is no question but what it pays to sow high grade, improved, pedigree Oats. What does a few dollars spent in good seed oats at planting time amount to, compared with a difference of yield at harvest of 50 to 60, and possibly 100 bushels per acre?

Our Grower Reports as Follows:

Just 91 days from day of seeding, your Great Western Oats were in the shock and could have been cut five days sooner. The yield of clean, heavy seed was double that of any other oat in the neighborhood.

In spite of a very firm oat market, we are reducing our prices on this grand oat for 1907 as follows. Order a sack of these oats. You will not be disappointed. Price, per lb., 20c., or 4 lbs. for 75c., postpaid. By express or freight, peck, 50c.; bu., \$1.25; 3-bu. sack, \$3.50; 6 bu., \$6.50.

A Fine Yield

Portland Seed Co.

Gentlemen: With regard to Great Western Seed Oats, they made an average of 80 bushels to the acre on land that very little rain fell on, about 13 inches annually. The oats were of very fine quality and proved entirely satisfactory. Yours truly,

C. W. PEARSON, Starbuck, Wash.

White Winter Oats

This is a good, hardy, strong growing variety, especially adapted for fall or winter planting. A very heavy yielder and a good plump oat.

Price, per lb., 30c.; 3 lbs., 60c., postpaid; by freight or express, peck, 50c.; bu., \$1.25; 3 bu., \$3.00.

Gray Winter Oats

A variety planted almost entirely in the fall. Well and favorably known.

Recleaned seed, per bu., \$1.00; 3 bu., \$2.50.

White Seed Oats

We always aim to have a selected, recleaned stock of good White Seed Oats. Can sell them at about market price for No. 1 Seed. When ready to buy, write us for prices stating quantity wanted, or order at \$1.75 per 100; \$32.00 per ton, which is average selling price. We will always send you money's worth whether it be more or less.



GREAT WESTERN.

Formaldehyde

A Sure Preventive for Smut in Grain.

This was proved at the Experiment Station; likewise the formula was sent to several farmers to report the result, and all claimed a success last spring.

Formaldehyde will be of great benefit to the farmer. What is it? Well, it is a clear chemical, resembling water, but it has a peculiar odor. It is sold by the pound (pint). One pound is sufficient to treat 40 to 50 bushels of oats.

One Reliable Oat Grower Says:

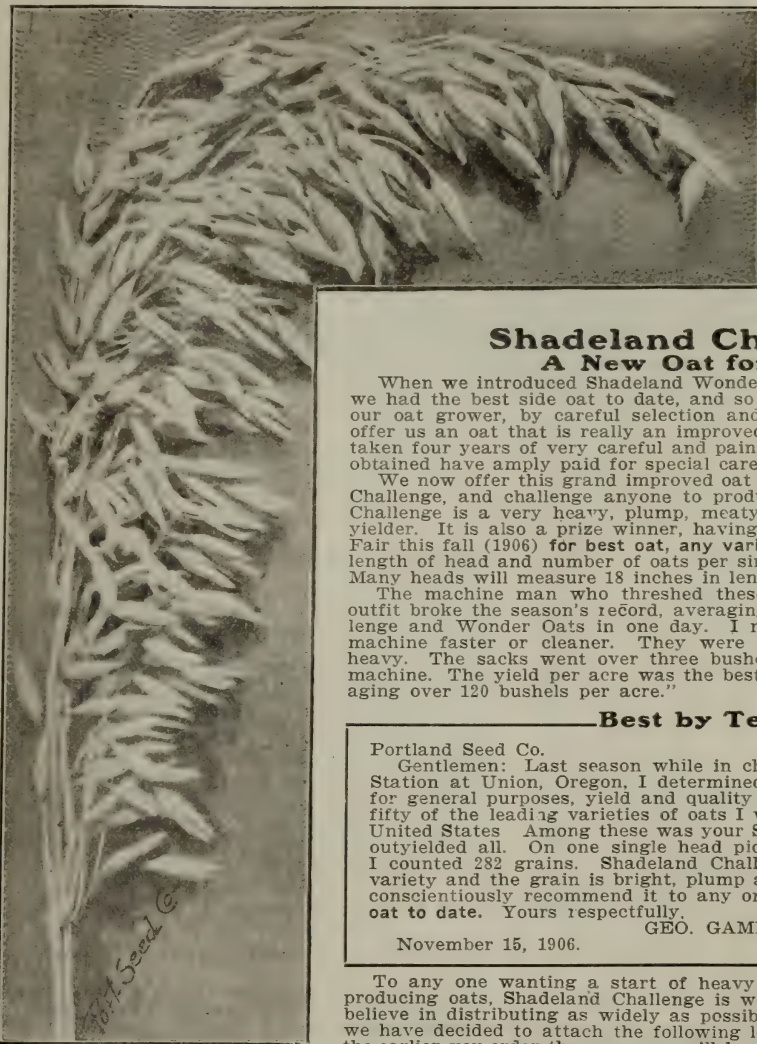
"The way I treated my oats was as follows: I poured about 20 bushels of oats on the barn floor; then I poured one-half pint of the formaldehyde in a five-gallon can of water and sprinkled it over the oats, turning them twice with a scoop shovel, and allowed them to remain 12 to 24 hours, then spread them out to dry." Sent by express or freight only; cannot be mailed.

Oats thus treated will be perfectly free from smut.

Price, per pint bottle, 50c.

Plant some new Seed Oats; you will be pleased at harvest time.

Seed Oats—Continued



SHADELAND WONDER.

This halftone cut, is a true reproduction of one single head of Shadeland Wonder Oats. Shadeland Challenge is of the same type but larger and better. The cut is one-half natural size.

Shadeland Challenge A New Oat for 1907

When we introduced Shadeland Wonder four years ago, we thought we had the best side oat to date, and so we did; but since that time, our oat grower, by careful selection and cultivation, is now able to offer us an oat that is really an improved Shadeland Wonder. It had taken four years of very careful and painstaking work, but the results obtained have amply paid for special care and expense.

We now offer this grand improved oat under the name of Shadeland Challenge, and challenge anyone to produce a better oat. Shadeland Challenge is a very heavy, plump, meaty white oat and an enormous yielder. It is also a prize winner, having won first prize at our State Fair this fall (1906) for best oat, any variety. It excels any variety in length of head and number of oats per single stalk (see report below). Many heads will measure 18 inches in length.

The machine man who threshed these oats this year said, "Our outfit broke the season's record, averaging over 3,000 bushels of Challenge and Wonder Oats in one day. I never saw oats come from a machine faster or cleaner. They were exceedingly fine, bright and heavy. The sacks went over three bushels in weight right from the machine. The yield per acre was the best in the whole country, averaging over 120 bushels per acre."

Best by Test

Portland Seed Co.

Gentlemen: Last season while in charge of the Experimental Station at Union, Oregon, I determined to find out the best oat for general purposes, yield and quality considered. I planted out fifty of the leading varieties of oats I was able to procure in the United States. Among these was your Shadeland Challenge, which outyielded all. On one single head picked up without selection, I counted 282 grains. Shadeland Challenge is certainly a grand variety and the grain is bright, plump and of best quality. I can conscientiously recommend it to any one wanting the best white oat to date. Yours respectfully

GEO. GAMMIE, Portland, Oregon.

November 15, 1906.

To any one wanting a start of heavy yielding, first class, money producing oats, Shadeland Challenge is worth \$1.00 per lb., but as we believe in distributing as widely as possible all good grains and seeds, we have decided to attach the following low prices. Stock limited, so the earlier you order, the surer you will be of getting some of these oats. Per lb., 25c.; 3 lbs., 60c.; pk., \$1.00; 1/2 bu., \$1.50; bu., \$2.00; 3 bu., \$5.00.

Shadeland Wonder

Introduced by us in 1902.

One of the greatest side oats in cultivation, producing 75 to 150 bushels per acre, an extraordinary yielder and excellent stooler; the straw is stiff and stands up well, and it has a large, white, heavy kernel covered with a very thin hull, making it the "king of all milling oats." We have received many favorable reports, a few of which we print below.

Price, per lb., 20c.; or 4 lbs. for 75c, postpaid.

By express or freight, per peck, 60c.; per bu., \$1.50; 3 bu., \$4.00.

Any one can afford to plant Shadeland Wonder Oats at these prices, when you consider results. Read the following reports:

Profitable Dairying

A practical guide for successful dairy management, by C. L. Peck, a well-known, practical dairyman who has made a marked success. It is a valuable and up-to-date work and nicely illustrated; 5x7 inches, 174 pages, cloth bound.

Price, postpaid, 85c.

A Few Reports on Shadeland Wonder

Portland Seed Co., Gentlemen: A year ago I got a sack of Shadeland Wonder Oats of you. They are the best I ever saw. We got a large crop. Yours truly, J. R. Hall, DeMoss Springs, Or., June 13, 1906.

Gentlemen: Your Shadeland Wonder Oats yielded an average of 80 bushels per acre. W. S. Gasaway, Battle Ground, Wn., March 26, 1906.

Gentlemen: Shadeland Wonder Oats did fine; yielded the best of any in this section. Thomas Burley, Lewisville, Wash.

Gentlemen: Your Shadeland Wonder Oats are truly a fine oat. Mrs. Arma Wise, Underwood, Wn.

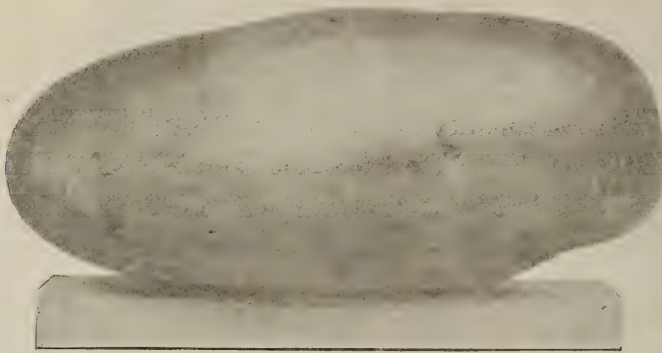
Gentlemen: I am well pleased with the Shadeland Wonder Oats bought of you. Under ordinary conditions, they would easily go 100 bushels per acre. J. S. Brubaker, Junction City, Or.

Gentlemen: Shadeland Wonder Oats yielded 161 bushels per acre, others went 24 bushels. O. A. Brown, Proebstel, Wn.

Gentlemen: Shadeland Wonder Oats yielded 80 bushels of splendid looking oats per acre. I consider them the best oats I ever raised. C. J. Littlepage, Latourell Falls, Or.

SELECTED SEED **POTATOES** SELECTED SEED

**Pure
True
Tried
Sorts**



PRIZETAKER (New Potato).

**Oregon
Grown
None
Better**

With no other seed is the importance of change more essential than with Potatoes. By planting OUR SELECTED, WESTERN GROWN, ACCLIMATED STOCK, YOU ARE ASSURED OF EARLY MATURITY, INCREASED YIELD AND VIGOROUS GROWTH. This year our potato cellar contains the cleanest, smoothest and finest stock we have ever had. Our seed potato trade is rapidly increasing. We have many customers, North and South, who consider our stock superior to any other.

Daybreak (A New Potato)

This new potato, brought over from Europe and introduced by us three years ago, has great merit. "Daybreak Potatoes" are the first to ripen. They are ten days earlier than the earliest. This we know is a very strong assertion to make, but we have grown this new variety in the field side by side with other early potatoes, and they are far ahead in earliness, to all other sorts we have tested. The vines are small and compact in growth, but strong and healthy, and not affected with disease of any kind. The vines die down as soon as the tubers are ripened. Daybreak Potatoes mature so early that the ground can be planted in other vegetables, after the potatoes are dug, thus insuring two crops on the same ground in one season. This variety is a good cropper, and the tubers are of a good size, for so early a sort. Skin is a pale pink.

Per lb., 30c.; 3 lbs., 75c., postpaid;
per peck, 75c.; per half bu., \$1.25; bushel, \$2.00.

Early White Prizetaker

A new, handsome, early white potato, which ripens just after the Extra Early Bovee. This is, without doubt, the finest in quality of all extra early potatoes. These potatoes are oblong in form, averaging 4 to 5 inches in length, with pure white, smooth skin, and few eyes; is a very superior cooking potato, either boiled or baked, and of very finest flavor. It cooks up dry and floury. One advantage of this potato is that it has a white skin and is a good keeper, so that if you do not sell all your crop early, you can sell it on the market for winter potatoes, and they will bring the highest price. We advise early planting, as the crop will be larger and better. To give you an idea of the productiveness of this grand new potato, we might add that one customer harvested 48 bushels from one-eighth of an acre. Almost 400 bushels per acre. We know of no other early potato that can be compared with this one. Don't fail to get a start of these potatoes.

Per lb., 30c.; 3 lbs., 75c., postpaid;
per peck, 75c.; per half bu., \$1.25; bushel, \$2.00.

Customers Well Pleased

McMurray, Wash., April 9, 1906.
Portland Seed Co.

Gentlemen: I am more than pleased with the Prizetaker Potato. I dug 90 pounds of fine potatoes from the one pound of seed. Yours respectfully,
George Gagen.

Sawyers Bar, Cal., Aug. 9, 1906.
Portland Seed Co.

Gentlemen: My neighbors were so well pleased with the result of my potatoes that I got from you last spring both as to earliness

and quality that they want to send with me this fall to get a few for seed direct from you. Yours respectfully,
Geo. H. Foerst.

Auburn, Wash., Sept. 29, 1906.

Portland Seed Co.

Gentlemen: I bought a bushel of White Prizetaker Potatoes from you last spring and am well pleased with them. I have raised about a thousand pounds. Yours truly,

Alf. Lacey.

Early Maine

For an extra early and heavy crop of choice potatoes, plant the Early Maine. This handsome new potato is almost round; the skin is a deep pink or rose; cooking quality cannot be beaten, and for a large and sure crop of extra early, smooth, nice sized tubers it is a record breaker.

Per lb., 25c.; 3 lbs., 60c., postpaid;
per peck, 75c.; half bushel, \$1.25; bushel, \$2.00.

Early Sunrise

Earlier than the Early Rose. Skin a very light pink. The potatoes cook very dry and mealy. One of the best and most popular extra early potatoes grown.

Per lb., 20c.; 3 lbs., 50c., postpaid;
per peck, 60c.; per half bushel, \$1.00; bushel, \$1.50.

Potato Planters

Save time, labor and money by using one. See page 58.

Extra Early Bovee

Introduced years ago by Peter Henderson, and still one of the most popular and earliest potatoes grown. It is earlier than Early Ohio and uncommonly prolific for such an early variety. The vine is dwarf and stocky, and the tubers grow remarkably close, all bunched together in the hill, close up to the vine, sizing up to a remarkable degree more evenly than any potato we ever saw; none too large or too small. Color of potato, pink or flesh color.

Per lb., 25c.; 3 lbs., 60c., postpaid;
per peck, 75c.; half bushel, \$1.25; bushel, \$2.00.

Early Rose

Early Rose is a standard early potato, well and favorably known. Choice, selected seed.

Per lb., 20c.;
3 lbs., 50c., postpaid; per peck, 60c.; bushel, \$1.50.
Write for prices in quantity.

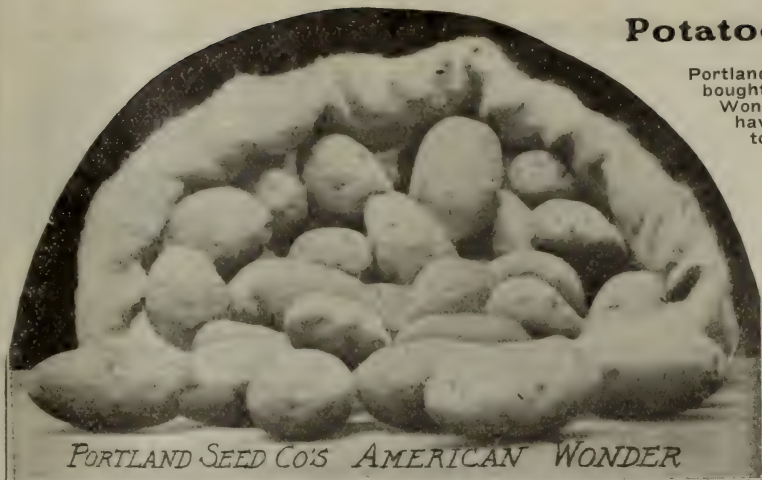
We offer a new book, "The Potato," 180 pages, by Frazer. See Books, page 48.

Potatoes—Continued

Portland Seed Co.—Last spring I bought of you some American Wonder Potatoes for seed. I have raised a good many potatoes and consider this variety one of the best in cultivation. Yours truly, R. B. Johnson, Newberg, Or.

Portland Seed Co.—I got a bushel of American Wonder Potatoes from you last spring and I raised 45 bushels of choice picked potatoes from them. Yours respectfully, A. J. Gale, Tacoma, Wn.

Portland Seed Co.—I am well pleased with the potatoes you sent me. Mrs. A. M. Boyer, Ono, Cal.



PORTLAND SEED CO'S AMERICAN WONDER

From Photograph.

American Wonder

A Potato for Main Crop.

The American Wonder is one of the best all-round white Potatoes in cultivation. It is practically blight-proof, a strong grower, a great producer, and one of the best varieties for general field culture. The vines are very strong and branching, with dark green foliage. Tubers white, large, and uniform in size; elongated, slightly compressed, with few eyes, which are nearly flush with the surface. In quality nothing can surpass this variety—either baked or boiled, it is dry and floury, and has a rich, sweet flavor. This is a potato much sought after by our commission men, potato buyers, shippers and dealers. The American Wonder will greatly outyield Burbanks, and surpasses them in many ways. We advise extensive planting of this sort. True stock. Per lb., 25c.; 3 lbs., 60c., postpaid; per peck, 60c.; ½ bu., \$1.00; bu., \$1.50. Write for price in quantity.

Uncle Sam

A large, handsome potato; very fine flavor and cooks up white, dry and floury. It is a strong, healthy grower; free from disease, blight, scab or rot. Will outyield other varieties two to one. One of the best potatoes for loam or sandy soil. Uncle Sam was first placed on the market as a novelty, about five years ago, and since its introduction has made many firm friends. Per lb., 20c.; 3 lbs., 50c., postpaid; per peck, 60c.; ½ bu., \$1.00; bu., \$1.50.

Burbank

We are in a position to furnish choice seed potatoes of this well-known variety. Write for prices in quantity. Per bu., \$1.25.

Why Not Own a Potato Planter?

See page 58.

Rape—Dwarf Essex

See page 53.

Rye—For Seed

Planted extensively in both spring and fall. Spring or Fall, per lb., postpaid, 15c.; 100 lbs., \$2.00.

Soja Beans

A very valuable fodder plant, either for feeding green or for the silo. It is a rich food and is unsurpassed for forming flesh. Sow 30 pounds per acre in the spring after the ground becomes warm.

Per lb., postpaid, 25c.; 100 lbs., \$9.00.

Sugar Cane or Sorghum

Early Amber. The high value of Northern grown Sugar Cane for fodder and ensilage is becoming rapidly known. It may be made to furnish the principal food for cattle and horses from August until the following spring. When fed down young as a pasture it grows rapidly again.

Per lb., postpaid, 25c.; 10 lbs., \$1.00; 100 lbs., \$6.00.

Speltz

A hay and grain crop in one. Try it. You will find it a very profitable crop.

A comparatively new grain of great value. It yields from 50 to 100 bushels of rich grain per acre, and makes four to six tons of good hay. It will grow well and produce immense crops on poor soil. Dry weather seems to have no bad effect on it. After the grain is threshed out, the straw makes good hay, as it contains an oily substance which makes it very fattening and much relished by all kinds of stock. The grain has a hull something like barley. Sow in the spring, the same as wheat, at the rate of 75 to 100 pounds per acre. Cut when the grain is past the middle stages of milk, when it will make splendid grain and lots of rich straw hay. Thresh like wheat, only not so closely. The hull and kernel can be fed whole, rolled like barley or ground.

Price, per lb., 20c.; 50 lbs., \$1.50; 100 lbs., \$2.50.

Sunflower

Mammoth Russian. The largest and most productive variety. It makes one of the very best of foods for poultry; a great egg producer.

Per ¼ lb., 10c.; lb., postpaid, 25c.; 10 lbs., 90c.

Seed Wheat

Macaroni Wheat. Especially adapted for dry land. Thrives on very little rainfall and yields much more than ordinary wheat. This wheat will make it possible to harvest a crop from thousands of acres in the Northwest now considered too dry and poor for a crop of ordinary wheat. Culture same as ordinary wheat. The grain should ripen fully before threshing.

Macaroni Wheat was originally imported from Algiers by the United States Department of Agriculture, and has been very successfully grown in the dryer portions of Minnesota and the Dakotas, where ordinary wheat would not produce a paying crop. The highest authorities are enthusiastic for the future of this wheat. They say that it will easily yield 25 to 50 per cent more than the ordinary varieties. Those who have tried it on this Coast are well pleased with results. Can be planted in the spring but fall sowing is generally preferred as it winters well.

Per lb., 30c., postpaid. By freight or express, 10 lbs., 50c.; 100 lbs., \$2.50.

Blue Stem. A remarkable, semi-hard Spring Wheat, yielding large crops, free from rust. Millers pay top price for this variety. It has been the most reliable variety year after year, yielding a good crop when other kinds failed.

Per lb., postpaid, 15c.; peck, 35c.; bushel, \$1.20.

White Winter. A beautiful, large grained, white Winter Wheat, the best kind for fall or winter sowing.

Per lb., postpaid, 15c.; peck, 40c.; bushel, \$1.25.

Red Chaff. A very hardy, productive variety, grain good size, hard and reddish in color.

Per lb., postpaid, 15c.; peck, 40c.; bushel, \$1.20.

When ready to buy Seed Wheat, write us for prices and state quantity wanted.

Field and Miscellaneous Farm Seeds—Continued

Vetches or Tares

(*Vicia Sativa.*)

Oregon's Greatest Forage Plant.

One of the best forage plants that can be grown on the Pacific Coast. Often called Fall Vetches. This is a species of the pea, and is grown very extensively in Western Oregon and Washington, especially in the Willamette Valley and on the Oregon Coast. It furnishes an abundance of excellent feed, either green or dried. The seed should be mixed with an equal weight of some variety of wheat, oats or rye having a stiff straw, and the mixture sown at the rate of two bushels per acre. Weight, 70 pounds per bushel. Sow in the fall or early spring.

Per lb., postpaid, 20c.; 100 lbs., \$2.50.

VETCHES (Sand or Winter).

(*Vicia Villosa.*)

This variety thrives on poor, arid, sandy soils. It is sown either in the fall or spring, and is generally mixed with rye, which serves to support the plants. It grows to a height of three or four feet, and can be cut twice; first, as soon as the bloom appears, and afterward for seed. The plant is perfectly hardy and makes a very nutritious food.

Per lb., postpaid, 25c.; 100 lbs., \$12.00.

NOTE—In ordering Vetches, be careful to state plainly which variety you want, as they are both sown in the fall or winter in Oregon.

Wild Rice

(*Zizania Aquatica.*)

For Planting in Duck Ponds.

A valuable forage plant; also furnishes food for wild fowl, ducks, geese, etc. Seed can be sown on the borders of lakes, ponds and small streams and grows very rapidly in one to four feet of water, attracting all of these wild birds from September on. It also purifies the water and affords a refuge for the small fry from the large fish.

Per lb., postpaid, 35c.

Prices on Field Seeds are subject to market changes, but we will always send you full value, whether it be more or less, unless otherwise ordered. Special prices in quantity on request.



VETCHES.

Potato Planters

PEERLESS. (Fig. 16.)

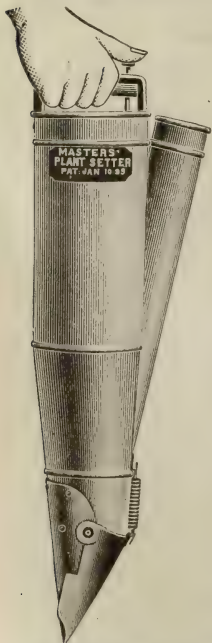
This is the lightest and best tubular planter made. With this planter one man can plant several times as much ground without getting a lame back as he can plant by hand. The planter locks itself as it is lifted out of the ground, so that the next potato may be dropped in at once, and opens automatically as the top of it is moved forward in walking. (See cut.)

Price, \$1.50.

PINGREE OR ACME. (Fig. 14.)

Practically the same as the Peerless without the tube down the handle. You lift the planter up and drop the potato in the lower part. It is light and a very satisfactory planter. (See cut.)

Price, \$1.25.



Master's Plant Setter

For planting Cabbage, Tomatoes, Celery and small plants of any kind. With this handy little tool you can set, water and fertilize ten thousand plants per day.

You carry the planter in your right hand and drop the plants into it with your left. Each plant is securely set and the work is performed as fast as you walk. You do not have to wait for showers but can work while the weather is nice and the ground dry. By a light pressure of the thumb, enough water is released for each plant; two barrels required for an acre in dry weather. You can mix fertilizer with the water, or use liquid manure. This planter is built entirely of sheet metal and steel. The manufacturers of the planter set from 30 to 50 acres of cabbage plants each year. It is simple, durable, practical and sure in its work. Once used, always used.

Price, each, \$4.00.

Corn Planters

GORDON AUTOMATIC. (Fig. 20.)

Decidedly the best hand corn planter made, and a very desirable implement for those who have a quantity of corn to plant. It puts the corn (the right number of kernels) exactly where you want it, and at a proper depth. It is light, handy, automatic, easily worked, requiring only one hand (either one), and a most satisfactory tool in every way. (See cut.)

Price, \$1.50.

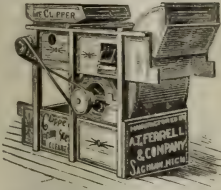
ACME. (Fig. 22.)

A two-hand planter; light, strong and durable. Especially adapted for planting in heavy, cloddy or stony soils. The seed dropper of the Acme is a straight slide, which vibrates horizontally and will drop seeds ranging from pop corn to large kidney beans. Made with spring, brass cut-off and steel blades. (See cut.)

Price, \$1.00.



The Clipper Grain, Seed and Bean Cleaner



This is without doubt the best seed and grain cleaner on the market today. When it comes to doing real nice, clean work, it is far ahead of all the others. The "Clipper" is especially adapted for making effectual separation of wild oats, cheat, cockle and all foreign seed from wheat and oats, plantain from clover, etc., etc., as well as cleaning the perfect seed. Other manufacturers depend entirely upon screens for this work, and with unsatisfactory results. The "Clipper," however, screens all straw and foreign matter from the grain before it enters the air shaft, and the "Vertical Blast" does the rest. The screens are so arranged as to be in plain view, and of easy access to the operator while machine is in operation. Seed dealers everywhere use the "Clipper," because it is the best. We buy these cleaners in carload lots and have both hand and power mills. Descriptive pamphlet and catalog sent on request.

Price: No. 1, \$28.00; No. 2, \$37.50.
We have used "The Clipper" for years ourselves. It's O. K.

They Give Satisfaction

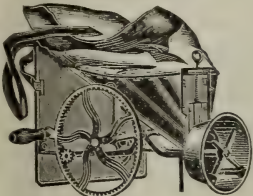
Amity, Or., Sept. 22, 1906.

Gentlemen: The Clipper is the only perfect seed and grain cleaner used in this vicinity. It is simple, durable and easy running. I can recommend it to all who want a strictly first-class cleaner. Yours,
W. W. NICKEL.

Thorp, Wash., Sept. 21, 1906.

Gentlemen: I have used four different mills. After a thorough trial, none proved satisfactory, and were sold, and I bought The Clipper, which does my work perfectly. You cannot praise it too highly. Yours truly,
A. T. SHADEL, Seed Grower.

Broadcast Seed Sowers Every Farmer Should Have One



CAHOON.

IMPROVED CAHOON.

The standard broadcast seed sower of the world, made of steel, iron and brass and with ordinary care will last a life time. This machine is probably the most popular. It has a force feed and does excellent work. Instructions with each machine.

Price, \$3.50.

THE COLUMBIA.

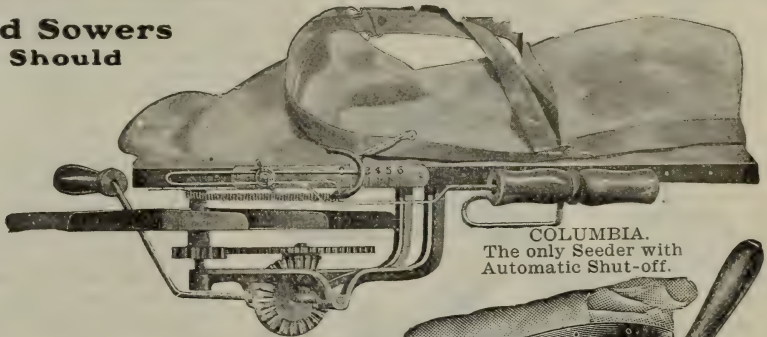
Neat and simple. Has automatic cut-off and regulator. A good low-priced machine.

Price, \$2.25.

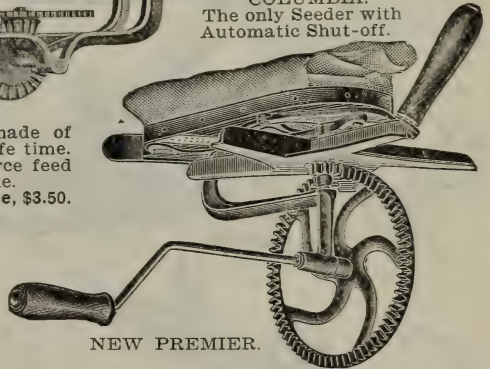
NEW PREMIER.

For sowing any kind of seed or grain. The best low-priced, hand seed sower on the market.

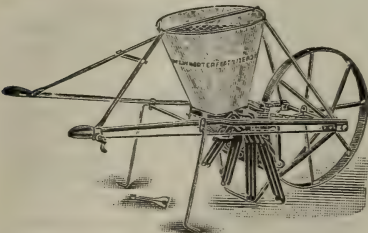
Price, \$1.50.



COLUMBIA.
The only Seeder with
Automatic Shut-off.



NEW PREMIER.



McWHORTER FERTILIZER DRILL.

McWhorter Fertilizer Drill No. 21

For the Practical, Superior Distribution of Commercial Fertilizers.
Simple in Construction, Easily Understood and
Effective in Operation.

This machine needs no defense or praise from us. Wherever known, it is pronounced the best. Has a force feed without friction; does not require that degree of dryness in the fertilizer necessary to all other distributors we have seen; is so arranged that the fertilizer can be applied in any manner that may be desired, as the operator has perfect control of the spread and division of the same, any change for that purpose requiring only a few seconds.

It will distribute the fertilizer in one or more furrows beside the growing crop or broadcast to any extent up to a uniform spread of over two feet, without removing or adding any part or loosening a bolt, and in any quantity from a few pounds up to a uniform spread of over 200 pounds to over a ton to the acre. We call special attention to this ability to spread the fertilizer with this machine. It is a highly important feature and will be appreciated by the thinking farmer. A decidedly wrong thing is to apply the strong fertilizers of the present day without sufficiently spreading and incorporating them with the soil. Shipping weight, 61 pounds.

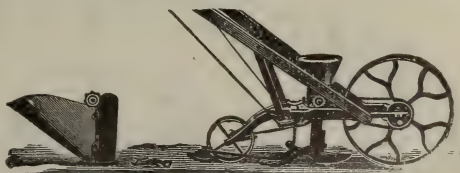
Price, complete, \$13.00.

Iron King Seed Drill

The Best Onion Drill.

The Iron King Seed Drill is acknowledged by the majority of the large onion growers of Oregon and Washington to be the most practical of the drills for sowing onion seed. It is a well made, durable and easy running machine, accurate and reliable, and with careful use will last a lifetime. It will save the price of the machine in sowing a few acres. If you are growing onions you cannot afford to be without one. The Iron King can also be set to sow anything from turnips to peas.

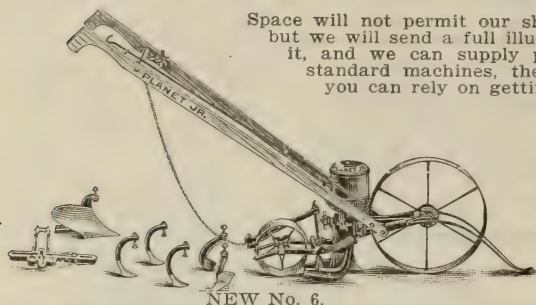
Price, \$9.25.



IRON KING.

"Planet Jr." Farm and Garden Tools for 1907

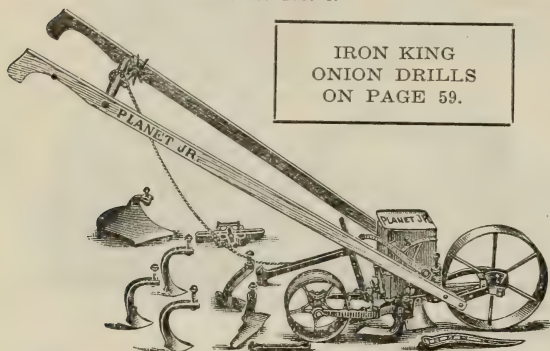
Space will not permit our showing and describing all of the "Planet Jr." Tools, but we will send a full illustrated catalog free for the asking to any one desiring it, and we can supply promptly anything ordered. "Planet Jr." goods are standard machines, the best on the market. In sending your orders to us you can rely on getting bottom prices.



NEW No. 6.

No. 6—Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow, Price, \$14.00; Hill and Drill Seeder only, \$11.50; Drill Seeder only, without Hill-dropping Attachment, listed as No. 66, Price \$10.00.

This, our latest Planet Jr. Seeder has been under construction for two years past, and has been held back until every detail has been made as nearly perfect as possible. The steel carrying wheel is 16½ inches high, with forged steel spokes, making an easy running tool. Handles adjustable. The feed and cut-off are the most accurate we have ever constructed. The opening plow is of a new shape, leaving the seed in a narrower row than any plow we have heretofore made. The roller is large and wide, leaving the seed in excellent condition for germination. This drill sows in drills, drops in hills, 4, 6, 8, 12 or 24 inches apart, covers, rolls down and marks the next row, all in one passage. As a wheel hoe the frame is similar to our No. 17 Single Wheel Hoe and equipped with the same tools. The combination is the best and most useful we have ever offered.

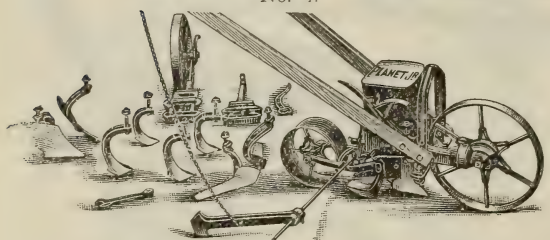


No. 4.

No. 4—Combined Hill and Drill Seeder and Wheel Hoe Cultivator and Plow. Price, \$11.00; Drill only, \$9.00.

This admirable tool combines in a single, convenient implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and a plow. It holds two quarts, and will sow in a continuous row, or drop in hills at five different distances. It is thrown out of gear by simply raising the handle. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. It is useful almost every day of the season at every stage of garden work.

A set of three rakes supplied when specially ordered. Price, extra, \$1.00.



No. 25.

No. 25—Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow. Price, \$14.00.

It practically combines in one tool the No. 4 Drill and No. 12 Double Wheel Hoe. A combination unequaled. Any one can see at a glance the great advantage of this machine. See descriptions of No. 4 and No. 12.

No. 3—Hill and Drill Seeder. Price, \$11.00.

Hopper holds three quarts; driving wheel has an accurate index. The flow of seed is started or stopped by a single movement of the forefinger.

No. 1—Combined Drill. Price, \$10.00.

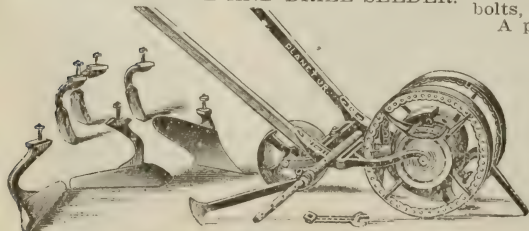
This has long been the most popular combined tool made. From a drill it is changed to its other uses by removing two bolts, when hoes, etc., can be quickly attached.

A pair of six-tooth rakes supplied when specially ordered. Price, extra, \$1.00.

No. 2—Drill Seeder. Price, \$8.00.

Very much like No. 1, except that it has no cultivating tools and holds more seed.

No. 3—HILL AND DRILL SEEDER.



No. 1—COMBINED DRILL.

For Broadcast Seed Sowers See page 59.

Double Wheel Hoes

The Planet Jr. Double Wheel Hoes are the greatest tools in the world for gardeners. They do more work, and do it better and easier than can possibly be done in any other way. They represent the very highest perfection in every detail.

No. 11—Double Wheel Hoe. Price, \$9.50.

Price includes attachments shown in cut.



No. 11—DOUBLE WHEEL HOE.

A Complete Planet Jr. Catalog sent free.

Planet Jr. Machines—Continued

No. 12—Double Wheel Hoe. Price, \$7.50.

This tool is identical with No. 11 Wheel Hoe, except that it has fewer attachments. (See cut.)

No. 13—Double Wheel Hoe. Price, \$5.25.

This tool is the No. 11, with 6-inch hoes only, these being the tools that are most generally used. Any or all of the other tools shown with No. 11 may be bought of us at any time, and are sure to fit.

Extra Hoe Each, 50c.
Cultivator Teeth Each, 40c.



No. 12—DOUBLE WHEEL HOE.

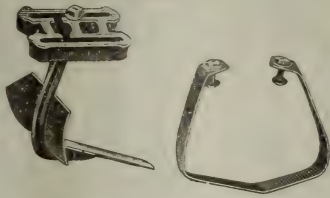
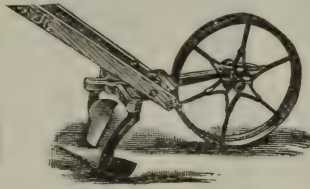


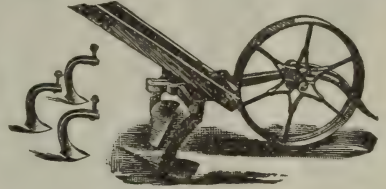
Fig. 60.



Fig. 70.



No. 18.



No. 17 1/2.

Single Wheel Hoes

Single Wheel Hoes are lighter than Double Wheel Hoes, but do almost the same variety of work, though in a different way, being used mostly between the rows instead of straddling them. Nos. 16, 17, 17 1/2 and 18 are all the same model; the only difference is in the number of tools sold with each.

No. 18—Single Wheel Hoe. Price, \$4.00.

This tool has the same frame and handles as No. 16, but has only one pair of 6-inch hoes—the tools that are most constantly used throughout the season. All the other tools can be added as needed.

No. 17 1/2—Single Wheel Hoe. Price, \$5.00.

For attachments, see cut.

No. 17—Single Wheel Hoe. Price, \$5.50.

Most popular combination. (See cut.)

No. 16—Single Wheel Hoe. Price, \$6.35.

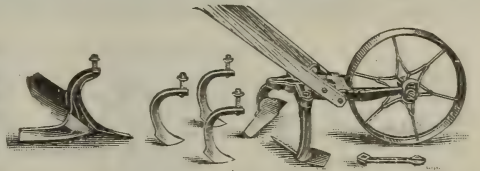
For attachments, see cut.

Fig. 70—Onion Set Harvester. Price, \$1.00.

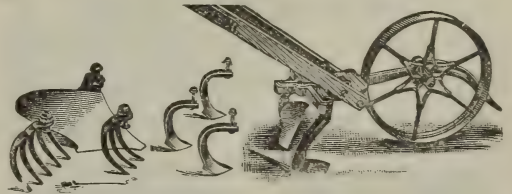
A useful attachment for our combined Drills and all our Wheel Hoes. Eight-inch size for onions and onion sets. It leaves the crop in the best condition for easy handling.

Fig. 60—New Hoe with Shield. Pair, \$2.00.

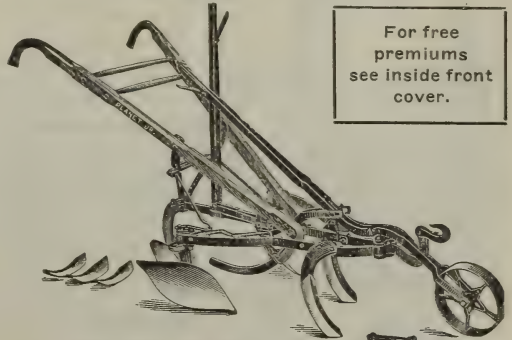
This attachment is very valuable, as you can work up close to the young plants. The shield protects them from clods and dirt that would naturally fall back on them. For double wheel hoes, both right and left.



No. 17—SINGLE WHEEL HOE.



No. 16—SINGLE WHEEL HOE.



PLANET JR. No. 8 HORSE HOE.

For free
premiums
see inside front
cover.

Horse Tools

No. 8—Horse Hoe and Cultivator. Price, with attachments as in cut, \$10.00.

Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

Planet Jr. No. 9—Horse Hoe and Cultivator.

Price, \$8.50.

Similar to No. 8, but without lever attachment on the wheel and depth regulator.

Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer. Price, complete, \$10; without Pulverizer, \$8.25; without Wheel or Pulverizer, \$7.

This tool has rapidly grown in favor with farmers, market gardeners and strawberry growers. It has a high frame and the chisel-shaped teeth cut an inch wide each. It may be set with teeth trailing. The foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth while in motion.

No. 1—Orchard and Universal Cultivator\$42.00

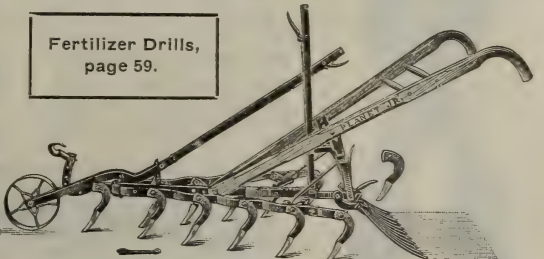
No. 45—Riding Harrow and Cultivator, with extensions 45.00

No. 72—Two-row Pivot Wheel Cultivator, complete 62.00

No. 70—Pivot Wheel Cultivator, complete 47.00

No. 74—Pivot Wheel Cultivator, complete 50.00

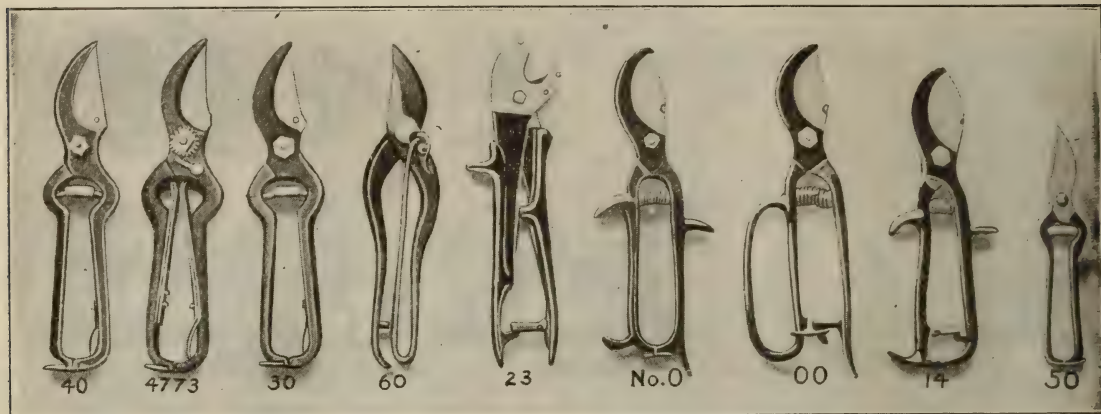
Fertilizer Drills,
page 59.



TWELVE-TOOTH HARROW—Complete.

Space will not permit illustrating and describing all of the "Planet Jr." tools, but we will gladly send fully illustrated catalog to any who desire it.

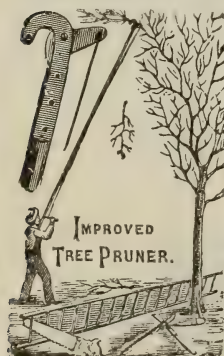
Pruning Tools, Knives, Weeders, Etc.



Note—Compare numbers on cut to those in descriptions.

- No. 4773. 9 inch; full polish, with double brass springs; best American make. \$1.50; postpaid, \$1.70.
 No. 40. 7 inch; bright finish, polished blade, spiral steel spring; made for hard service \$1.00; postpaid, \$1.15.
 No. 41. Same as No. 40, except 9 inch \$1.25; postpaid, \$1.45.
 No. 30. 7 inch; German make; black finish; polished blade; very good 75c.; postpaid, 90c.
 No. 31. Same as No. 30, only 9 inch and Japan finish; extra strong \$1.00; postpaid, \$1.20.
 No. 50. 6 inch; nickel plated; small, but of best material; fine for ladies \$1.00; postpaid, \$1.15.
 No. 51. Same as above except that it is 7 inches long \$1.25; postpaid, \$1.40.

- No. 23. Levin Pruner, 7 inch; new style, cuts clean; cuts $\frac{1}{2}$ inch Postpaid, 75c.
 No. 24. 9 inch; same style as above; cuts $\frac{3}{4}$ inch. Postpaid, \$1.00.
 No. 14. Good low-priced tool... 50c.; postpaid, 65c.
 No. 12. Similar to 14; steel spring. 55c.; postpaid, 70c.
 No. 0. Cheap but good 40c.; postpaid, 55c.
 No. 0 $\frac{1}{2}$. Similar to 0; flat spring. 45c.; postpaid, 60c.
 No. 00. Loop handle; very handy. 50c.; postpaid, 65c.
 No. 60. Perfection, 9 inch; imported French shear, powerful, strong; cuts easily. \$3.00; postpaid, \$3.15
 No. 61. 8 inch; same as above. \$2.75; postpaid, \$2.85.
 No. 62. 7 inch; same as 60.... \$2.50; postpaid, \$2.60.



LONG HANDLE TREE PRUNERS.

Indispensable in pruning tall trees (see cut).
 6 feet, 75c.; 8 feet, 90c.;
 10 feet, \$1; 12 feet, \$1.15.
 Cannot go by mail; purchaser will have to pay freight or express charges.

PRUNING SAWS.

Crescent, 12-in. blade. 65c.
 Crescent, 14-in. blade. 75c.
 Straight Blades, 16 in. 60c.
 Straight Blades, 18 in. 65c.
 Straight Blades, 20 in. 70c.

GRAFTING WAX.

$\frac{1}{4}$ lb., 10c.; lb., 35c.; postage, 18c. per lb.

RAFFIA.

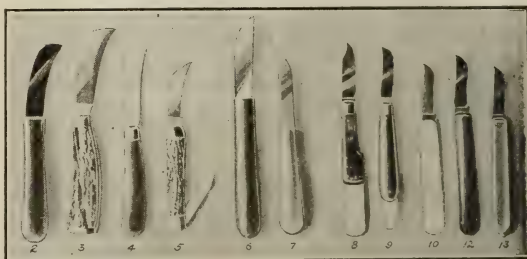
For tying plants and buds. Lb., 25c.; by mail, 50c.
 For Colored Raffia, see page 81.

BRANCH SHEARS.

Very convenient, strong, and cuts easily (see cut).
 26-inch handle \$1.00
 41-inch handle 1.25



BRANCH SHEAR.



Note—Compare numbers on cut to those below.

BUDDING KNIVES.

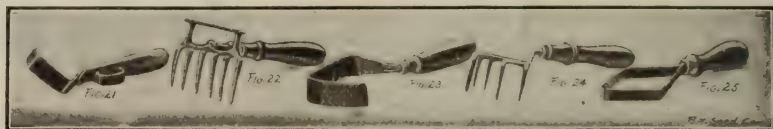
- No. 8. Ebony handle, stationary ivory bark opener. \$1
 No. 8 $\frac{1}{2}$. Same as above, only size larger. \$1.25.
 No. 10. Ivory handle, very light and fine. \$1.00.
 No. 10 $\frac{1}{2}$. Same as above, only size larger. \$1.25.
 No. 12. Black handle; very light and fine. 85c.
 No. 13. Plain wood handle, stationary blade. 25c.
 No. 5. Budding and pruning knife combined. \$1.00

GRAFTING KNIVES.

- No. 6. Plain wood handle, stationary blade 35c.
 No. 7. Plain wood h'dle, stationary blade, smaller. 25c.

PRUNING KNIVES.

- No. 2. Plain wood handle, stationary blade. 50c.
 No. 3. Large horn handle, very strong \$1.50.
 No. 4. Polished wood handle 85c.
 Will send any of the above Knives, postpaid, at these prices. See numbers on cut.

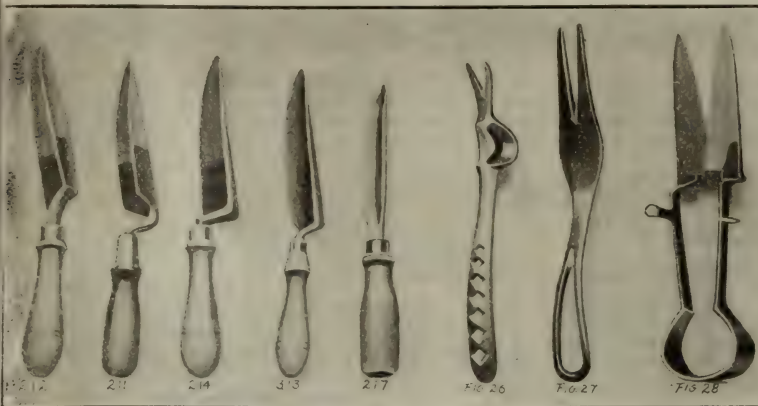


FIVE OF THE BEST HAND WEEDERS MADE.

- Fig. 21. Lang's Postpaid, 25c.
 Fig. 22. Combination ... Postpaid, 30c.
 Fig. 23. Hazeltine's Postpaid, 30c.
 Fig. 24. Excelsior Postpaid, 20c.
 Fig. 25. Noyes' Postpaid, 30c.
 Weeders about 10 in. long (see cut).

Tools, Garden and Florists' Supplies—Continued

WEEDER.....



See descriptions of numbers on above cut.

GARDEN TROWELS.

Don't class these tools with the cheap stock offered by the department stores. (See cut.)

No. 211. Six inch; blade and shank of one piece of steel. The best tool of its kind in the market.

50c.; postpaid, 65c.

No. 313. Six inch; good steel trowel, with malleable iron shank, firmly riveted.

15c.; postpaid, 25c.

No. 214. Six inch; steel trowel, stronger and better finished than the above.

25c.; postpaid, 35c.

No. 212. Seven inch; a first-class trowel.

35c.; postpaid, 45c.

No. 217. Six inch; steel transplanting trowel.

20c.; postpaid, 30c.

No. 217. Eight inch; steel transplanting trowel.

25c.; postpaid, 35c.

MASTICA.

For glazing new or old greenhouses. The use of "Mastica" avoids the necessity of repeatedly reglazing the houses, saving much time and expense. With "Mastica" can bed in, or use outside with machine. Broken glass can be easily removed and replaced by new without breakage of other glass, which usually occurs with hard putty. One gal. will cover about 290 running feet (one side).

Price, per gallon, \$1.50.

Twemlow's Old English GLAZING PUTTY.

Semi-liquid, used same as Mastica. Per gal., \$1.40.

PUTTY BULBS.

Very convenient for applying liquid putty in glazing greenhouses. (See cut.)

Price, \$1.00.

GLAZING POINTS.

Peerless. Best point made. No raising up when driven—no rights, no lefts, no sliding, no trouble to apply; cheap, indestructible. Once used always used. (See cut.) 1000 in box, 75c.

**MISCELLANEOUS FLORISTS' AND NURSERYMEN'S SUPPLIES.**

BOOKS. For florists. See page 48.

BOSTON SCRIPT LETTERS. Neatest and best made. Can supply the following words: Asleep, Baby, Husband, Wife, Grandma, Grandpa, Father, Mother, Brother, Sister, At Rest, Our, My.

Price, per letter, 4c.

CHENILE, for Letters. Purple, light blue, red, white, yellow.

Per skein of 12 yards, 35c.

PLANT STAKES. Round Cedar, painted green, white tops.

3 ft., 75c.

doz.; 3 1/2 ft., 80c.; 4 ft., 85c.; 5 ft., \$1.35; 6 ft., \$2.00.

Bamboo. 4 ft., 20c. doz.; 5 ft., 25c.; 6 ft., 30c.

PENCILS. Indelible, nickel tip, for marking labels.

Each, 15c.

OREGON MOSS. We have this gathered, dried and put up in bales of about 100 pounds each for florists' and nurserymen's use. Write for price by ton or carload.

Per lb., 5c.; 100 lbs., \$3.00.

RED CLAY FLOWER POTS.—We buy them by the carload and sell them at the right prices. Florists' and Nurserymen's trade especially solicited. Prices on request. See page 90.

GRASS SHEARS.

Fine for trimming borders and edges. Good make, 6-inch blade. (See cut.) Each, 60c.

FLOWER SHEARS.

Nickel plated, cuts and holds the flower from falling until opened again. Postpaid, \$1.00.

GRAPE SHEARS.

Made like the above.

Postpaid, \$1.25.

GRASS HOOKS OR SICKLES.

These are regular style and shape.

English. First class 75c.

German. No. 2, good grade 35c.

German. No. 1, best cheap sickle 30c.

Village Blacksmith. Hand forged 45c.

MASTICA GLAZING MACHINE.

To fill the machine, remove the plunger and pour Mastica in top of cylinder; replace the plunger and with a gentle pressure of the handle the Mastica is forced through the opening at the heel, and is smoothed into perfect condition by the foot passing over it. (See cut.)

Price, \$1.35.



"THREE TOOLS IN ONE."
In this new tool you get a sickle, a weeder and a grass edger, 3 in 1. Price, 75c.

DANDELION PULLERS.

A most convenient tool for digging these troublesome weeds. Fig. 26, Vaughn's (see cut), 50c.; postpaid, 60c. Fig. 27, Whittall's (see cut), 30c.; postpaid, 45c.

THERMOMETERS. Made for hot beds... Each, \$1.

TIN FOIL.

Florist, regular stock Lb., 15c.; 10 lbs., \$1.25.

Pure, very best grade Lb., 65c.

TWEEZERS. For florists; 5 inch..... Each, 25c.

WIRE. Bright annealed, No. 30 Per lb., 20c.

WIRE HANGING BASKETS.

8 in., 20c.; 10 in., 25c.; 12 in., 30c.; 16 in., 60c.

WOODEN LABELS.

Tree Labels. Per M. Per M.

Painted, wired \$1.00; not wired, \$0.70

Unpainted, wired85; not wired, .60

Painted, copper wired ... 1.10; not wired, 1.00

Pot Labels.

4 inch, plain65; painted, .80

5 inch, plain85; painted, 1.05

6 inch, plain 1.25; painted, 1.40

8 inch, plain 1.50; painted, 1.75

We import annually large quantities of Flowering Bulbs and Roots for Florists' and Gardeners' use. Catalog and prices on request.



FERTILIZERS



We are the largest dealers and carry the most complete stock of Fertilizers and Fertilizing Materials in the Northwest. We solicit correspondence and orders from large buyers. Special Fertilizer Catalog sent on request.

The results obtained from using our fertilizers have been so satisfactory that we have made no changes in our analyses since last year. Crops in many cases have been doubled and are always increased by their use.

DIRECTIONS—The best results are obtained by applying fertilizers in the late fall or early spring. The average amount used is 300 to 500 pounds per acre, but two or three times this amount is often used to advantage by market gardeners.

No. 1—COMPLETE FERTILIZER.

An all around fertilizer which can be used on any crop, but is especially adapted for grain crops and pasture grass. Analysis: Nitrogen, 2%; phosphoric acid, 6%; potash, 8%. Price: 100 lbs., \$2.00; 500 lbs., \$9.50; 1000 lbs., \$18.00; per ton, \$35.00.

No. 2—ROOT AND POTATO GROWER.

Use this fertilizer on potatoes, beets and all root crops. It is very rich in the foods required by them. Analysis: Nitrogen, 3½%; phosphoric acid, 6%; potash, 9%. Price: 100 lbs., \$2.50; 500 lbs., \$12.00; 1000 lbs., \$23.00; ton, \$45.00.

No. 3—MARKET GARDENERS' SPECIAL.

We have made this fertilizer to supply a demand for the very best for use on such crops as cabbage, lettuce, celery, etc., and it has already earned for itself an enviable reputation. Analysis: Nitrogen, 5%; phosphoric acid, 8%; potash, 9%. Price: 100 lbs., \$2.75; 500 lbs., \$13.25; 1000 lbs., \$26.00; ton, \$50.00.

No. 4—FRUIT AND STRAWBERRY.

This fertilizer is also used for blackberries, raspberries, etc. We sell large quantities for growing the famous Hood River Strawberries. Analysis: Nitrogen, 2 to 3%; phosphoric acid, 7%; potash, 9 to 10%. Price: 100 lbs., \$2.25; 500 lbs., \$10.00; 1000 lbs., \$19.00; ton, \$37.00.

Portland Seed Co.

Hood River, Or.

Gentlemen: Last year I tried, as an experiment, 200 lbs. of your No. 4 Fertilizer on one acre of my strawberries. The results were surprising and increased the yield over 30%. This was on an old patch. I am convinced that the fertilizer is a great success and am going to use it on every berry I have this year, and am looking for large returns on the money invested, besides building up the land. Yours truly,
B. F. EADELMAN.

No. 5—ODORLESS LAWN DRESSING.

This fertilizer supplies a long felt need for the lawn. It produces a dark, green lawn and can be used at the time the seed is planted or later as a top dressing. One hundred pounds is sufficient for an ordinary city lot, and is far more effective and less objectionable than the stable manure. Remember, it contains no weed seeds. When used as a top dressing it is best to make several small applications about a week apart. Price: 25 lbs., 80c.; 50-lb. sack, \$1.25; 100 lbs., \$2.25.

No. 6—STANDARD LAWN.

This is a new lawn fertilizer we have put up this year for those who are not permanently located and want quick and effective results. It has given good results where used, but not so strong or lasting as our No. 5. Price: per 100 lbs., \$1.75; 500 lbs., \$8.00.

No. 10—SPECIAL HOP.

A fertilizer made especially for hops, very rich in potash, and if used freely in hop yards will double the yield and increase the quality of the hops. Be sure that you get "Diamond Brand." Analysis: Nitrogen, 2½ to 3%; phosphoric acid, 6%; potash, 12%. Price, 100 lbs., \$2.25; 500 lbs., \$10.75; 1000 lbs., \$21.00; ton, \$40.00.

Portland Seed Co.

Salem, Or.

Gentlemen: I have used your Special No. 10 "Diamond Brand" Hop Fertilizer for two years, and I am perfectly satisfied with results. The increase in yield and superior quality of the hops makes it a most profitable investment. I most heartily recommend it to all hop growers. Yours truly,
H. C. FLETCHER.

SHEEP GUANO.

One of the best fertilizers for lawn. It acts very quickly and produces a rich, green grass. Is especially recommended for those who are not familiar with the use of commercial fertilizer, as it will not burn or scorch the foliage. We have sold it for several years and know it to be all right.

Price, per 100 lbs., \$1.65; per ton, \$27.00.

FISH GUANO.

This is the very best quality of Guano, containing high percentages of nitrogen, phosphoric acid and other fertilizing qualities.

Price: 100 lbs., \$2.00; ton, \$36.00.

PURE BONE MEAL.

Animal bone finely ground is one of the very best and most economical fertilizers, especially at present low prices. A most valuable enricher of the soil, and crop producer. Our stocks are absolutely pure.

Price: 100 lbs., \$1.75; ton, \$30.00.

LAND PLASTER, OR GYPSUM.

Made from pure gypsum, absolutely free from clay or other foreign matter. This is especially valuable for clover and grass crops.

Price: 100-lb. sack, 75c.; ½ ton, \$6.00; ton, \$11.50.

DOUBLE SUPER PHOSPHATE.

This is a very highly concentrated form of phosphoric acid and although the price may seem high, it is actually the cheapest form in which to buy phosphoric acid. Our present stock contains 46% available phosphoric acid.

Price: 100 lbs., \$3.50; per sack, 226 lbs., \$7.40.

NITRATE OF SODA.

For immediate results Nitrate of Soda is the very best for stimulating and forcing the growth of plants or any other crop. 100 lbs., \$3.25; ton, \$60.

POTASH.

Is one of the most important fertilizing elements. Every farmer should find out by practical experiment what his soil needs and avail himself of the large profit to be derived from the use of potash and other commercial fertilizers. We have a large stock of Potash Salts, direct from the mines at Stassfurt, Germany, and are in position to furnish them at reasonable prices.

Muriate of Potash
Lb., 3/4c.; sack, 224 lbs., \$6.50; ton, \$54.00.
Sulphate of Potash
Lb., 3/4c.; sack, 224 lbs., \$7.25; ton, \$60.00.
Kanit....Lb., 1½c.; sack, 224 lbs., \$2.50; ton, \$20.00.

We have books and pamphlets on Potash; also Nitrate of Soda, which we will send free. All we ask is a 2c. stamp for each book for postage.

Plant Food



A safe, clean and high-grade fertilizer, free from disagreeable odor, prepared especially for feeding plants grown in pots. It is a wonderful invigorator, producing luxuriant, healthy growth, foliage of rich texture and larger and more brilliant flowers. It contains in a highly concentrated form all of the ingredients of plant food essential to the highest development of the plants and flowers. Detailed directions on each package.
½-lb. box, 15c.; mail, 25c.; 1-lb. box, 25c.; mail, 40c.

We have a sixteen-page booklet giving full instructions as to how much fertilizer, when and what kinds, to use on the different crops, etc. Also contains testimonials from reliable growers. Sent free.

PLANT DEPARTMENT

Our Oregon Grown Plants

Our trade in Plants and Nursery Stocks has grown very rapidly the past few years. Why? Because we take great pains and care in the growing, selecting, packing and shipping of all plants and they please the buyer; read a few of the reports from our satisfied customers. Our orders are filled promptly with large, strong, well-rooted plants that will grow and produce lovely flowers the first season.

Roses

Our Two Year Old Dormant Bushes

They are too large to send by mail and are sent by express at buyer's expense. Order any time from October to May.

Our two-year-old, field-grown roses are very superior being well branched, 18 to 30 inches high, and well rooted. We do not try to list every variety grown, as there are hundreds of roses that are not worth the room they take in the garden.

One Year Old Mailing Size

These plants we send by mail, postpaid, at catalog prices.

They are grown in small pots and are healthy and vigorous, have an abundance of roots. These roses will all bloom the first season, except some of the Climbers and Hybrid Perpetual varieties, which generally do not bloom until the second year.

1907 Collection New and Rare Roses

Price: One-year-old plants, 25c. each; set of six sorts, \$1.25. No two-year-old plants except as stated.

Climbing Madame Caroline Testout. The greatest acquisition to our list of climbing Roses for a number of years. Covered during the season with immense globular flowers of the same beautiful shade of pink as seen in the bush sort. Sure to be in great demand. Two-year-old plants, 60 cents each.

Frau Karl Druschki. The famous new sensational rose from Germany. Pure ivory white; massive flowers on long stems. The finest white rose of this class, and will be planted largely when its good qualities become known. (See cut.)

Killarney. A beautiful grower with elegant dark foliage; young growths bronzy-plum color; stiff, tall, upright stems, bearing extra long buds of Nipheto shape. Color, shell pink, with silvery shadings. Every person who sees this Rose falls in love with it.

Mildred Grant. Blooms of enormous size, of wonderful substance, pointed in bud state; color, snow white, flushed and edged with pink. One of the very finest new sorts; in great demand everywhere.

Rosalind Orr English. Another fine American Rose of the Hybrid Tea class. Unapproached in brilliancy of color; a brilliant cerise pink; buds beautifully formed, opening into a large, stately flower. One of the most lasting of Roses.

Richmond. A splendid new American Hybrid Tea Rose of great merit. Strong in growth, splendid foliage, and long stems. Color, a magnificent rich scarlet-crimson, the most vivid we have yet seen among ever-blooming Roses. Is being grown largely by florists for cut flowers.

Six New and Rare Roses

Price: One-year-old plants, 20c. each; set of six sorts, \$1.00. Two-year-old plants as stated.

Baby Rambler (Mme. Norbert Levavasseur). Large trusses of crimson flowers, similar to the Crimson Rambler, but, instead of climbing, the plants form dwarf, compact bushes, not over eighteen inches high, with clean, dark green foliage, which is never attacked by disease or insects, and is perfectly hardy. The most unique and novel feature about it is the phenomenal freedom with which it produces its flowers. In this respect it outclasses any rose of any type known, the plant being never out of bloom from early spring until stopped by hard frost late in the autumn, and if grown indoors it will flower the year round.

2-year-old plants, 75c. each.

General McArthur. Color, brilliant scarlet. One of the most fragrant of the June-scented roses, and a true ever-bloomer. Lasts finely when cut, and is hardy out of doors. The best ever-blooming red rose yet introduced.

2-year-old plants, 60c. each.

La Detroit. Shell pink, shading to soft rose; reverse of outer petals, cream colored; fragrance like that of old Bon Silene. In form it is large, cup-shaped; petals, shell-like. Rich, glossy foliage; a rampant, vigorous grower, producing long shoots.

2-year-old plants, 75c. each.

Mrs. B. R. Cant. A grand new hybrid tea rose of American origin, which will be sure to become one of our best-known varieties. Extremely hardy and very free blooming; flowers large and handsome, borne on long stout canes, clothed with beautiful foliage. Color a rich metallic shade of pink. Superb variety.

Souv. de Pierre Notting. This variety is a seedling of M. Neil and Maman Cochet, with beautiful, closely set foliage and a strong, sturdy habit of growth. Bloom is very large, perfectly full, of elegant form—has a beautiful long bud; color orange yellow, bordered carmine-rose.

Yellow Maman Cochet. A pure tea rose, very free-growing and hardy in character, withstanding ten degrees below zero. It throws up fine, strong stems, crowned by solitary buds of grand size; color is a good sulphur-yellow, blooms very large, perfectly double, splendid form and freely produced. Has every quality necessary to make the ideal yellow bedder, ranking with the White and Pink Cochets in value as a summer rose.



FRAU KARL
DRUSCHKI.

Roses—Continued

Beauty Collection Rare New Roses

Price: One-year-old plants, 20c. each. Set of 8 Sorts, \$1.25.

American Beauty. One of the largest, sweetest and best of all hardy ones. It is a quick grower, constant bloomer, making magnificent buds and large, bold flowers. Color, rich, rosy crimson, shaded and veined in the most charming manner.

2 year, 50c.

Bessie Brown. Color, pure white, sometimes faintly flushed pink; petals enormous and of shell shape; it is marvelous that such large flowers can be so freely produced.

2 year, 60c.

Clara Watson. A new ever-blooming Rose of English origin; healthy and of good robust growth; flowers of large size, good form and rich fragrance; the color is bluish-pink with a shading of yellow at the base of petals. This is one of the grandest Roses we grow and cannot be praised too highly.

2 year, 50c.

Franz Deegan. This beautiful yellow Hybrid Tea is a fine grower, having dark leathery foliage and the good habit of throwing up numerous heavy canes, each one crowned by a glorious flower of large size. It is a constant bloomer, opening its

buds freely. A strong, healthy grower, not subject to mildew.

2 year, 75c.

Ivory. A pure white Golden Gate, a sport from that variety. Its extraordinary freedom, large size, heavy canes and pure color, all tend to make it a valuable variety.

2 year, 60c.

Liberty. A grand new crimson scarlet Hybrid Tea Rose. It is very free blooming, every shoot producing a beautiful and richly colored bud and flower which does not fade in the hottest sun. The flowers are large, double and of fine form.

2 year, 50c.

Lady Battersea. This variety has long, oval buds, sharply pointed, very striking in form. The color is a bright, cherry crimson; an unusually showy variety. The only red rose approaching Niphetos in form.

2 year, 60c.

Winnie Davis. A fine new American pedigreed rose, raised by a cross between the famous Kaiserin Augusta Victoria and Belle Siebrecht. Color, rich apricot pink, shaded to flesh at base of petals. Beautifully formed buds and flowers.

2 year, 60c.

Gentlemen—I got your collection of Roses a few years ago, and they have been most satisfactory. Yours truly,

A. M. Pooley, Victoria, B. C.

Gentlemen—The bundle of Rose Bushes arrived in fine order. Thanks for good packing and careful attention. Yours truly,

John F. Oliver, Steubenville, Ohio.

Superb Collection
Choice New Roses

Price: One-year-old plants, 15c. each; set of 10 sorts, \$1.25. Two-year-old plants, 40c. each; set of 10 sorts, \$3.50.

Belle Siebrecht. A true, solid pink of the richest shade, a rare color. The flowers are sweetly perfumed, and large, beautifully formed, of long, tapering shape, with high center, and when half-blown the petals reflex in a graceful manner.

Golden Gate. Creamy white; center and base of petals soft golden yellow, exquisitely bordered with clear rose; buds long and pointed. Its extraordinary size and free blooming qualities commend it to every one who wishes the finest roses.

Helen Gould. An elegant new variety of the popular Hybrid Tea class. Flowers very large and full; produced in wonderful profusion; color, bright, glowing carmine, of a most beautiful shade.

Kaiserin Aug. Victoria. Color, pure white. A grand garden rose on account of its vigorous growth and hardness. Very popular. (See cut.)

***Madame Caroline Testout.** A grand new rose of the La France type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom. (See cut, page 67.)

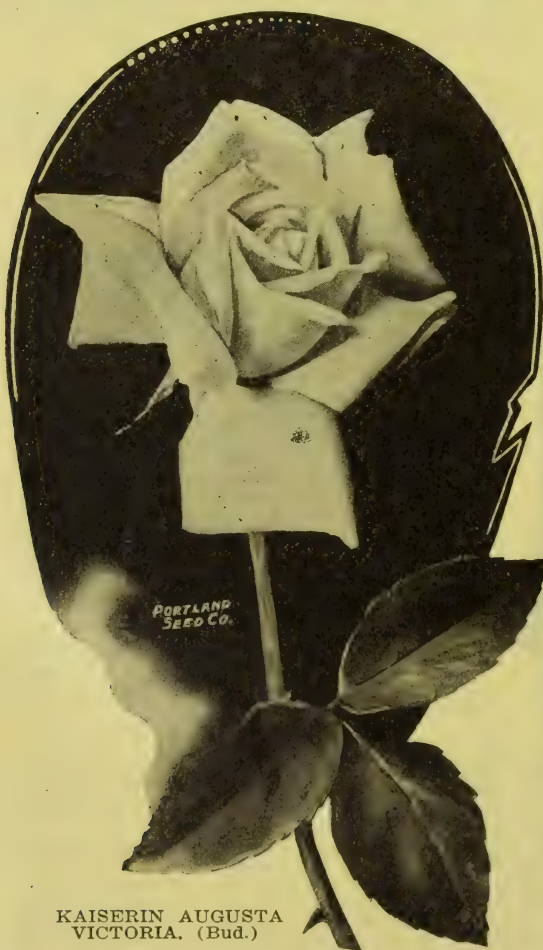
Maman Cochet. This is one of the most beautiful new Tea Roses we list; extensively planted and very popular. The color is a deep, rosy pink, the inner side of the petals silvery rose. Makes charming bunches of long-stemmed flowers when cut.

Souv. de President Carnot. This is a rose of extraordinary beauty, is elegantly formed, very large, full and deep and deliciously sweet. The color is lovely shell-pink, delicately tinted with golden fawn on rich creamy white. Superb for bedding in open ground. Makes splendid buds for summer cutting.

Sunset. This grand rose is a favorite wherever known. The color is a rich, golden amber, or old gold, elegantly shaded, and buds are extra large, full, finely formed and deliciously perfumed.

Virginia R. Cox. Color, fiery crimson, with a dark, velvety sheen, very fragrant. The freest blooming rose in existence. The mass of color produced is wonderful and the handsome foliage adds materially to its appearance.

White Maman Cochet. The name describes this new rose—pure white, grand substance, immense size, exquisitely fragrant, and a free bloomer; buds long and pointed, keeping a long time when cut.

KAISERIN AUGUSTA
VICTORIA. (Bud.)

STRONG, HEALTHY TREES, PLANTS, ROSES We have them in quantity. Our tree catalog tells all.

Nine Beautiful Fancy Tea Roses

Price: One-year-old plants, 15c. each; set of 9 sorts, \$1.00. Two-year-old plants, 35c. each; set of 9 sorts, \$2.75.

Catherine Mermet. A very beautiful Tea Rose, valued highly for its beautiful buds; faultless in form, and charming in every shade of color, from the purest silvery rose to the exquisite blend of yellow and rose, which illumines the base of the petals.

Coquette de Lyon. Lovely canary yellow; immense bloomer; elegant for bedding; one of the best bright yellow roses; blooms quickly and profusely the whole season.

Etoile de Lyon. This is considered one of the hardest and best yellow bedding roses in the Tea section. It blooms freely and every flower is a gem, equaling the Marechal Neil in size. Very sweet scented; color, rich, golden yellow.

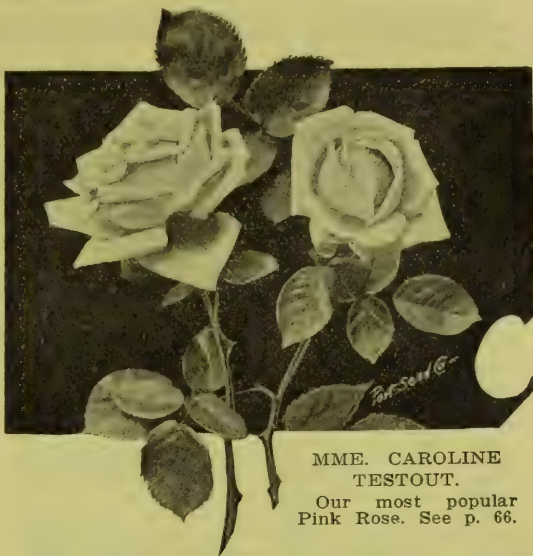
Hermosa. An excellent rose; blooms in fine clusters; large, very double, and fragrant; color, beautiful clear rose; a constant bloomer; hardy.

Homer. Beautiful folded buds of a light rose color; often peculiarly spotted with white; a fine bedder; very handsome and distinct.

Isabella Sprunt. Bright canary yellow; large, beautiful buds; valuable for cut flowers; very sweet, tea scent; profuse bloomer.

Madame Hoste. Creamy yellow, with deep buff yellow center; very large and delicately sweet; a constant and profuse bloomer; one of the finest sorts in cultivation.

Madame Welche. Will give universal satisfaction for out-door planting. Flowers have a great depth and substance; globular form. Color, a beautiful shade of soft amber-yellow, deepening toward the center to orange or coppery-yellow, decidedly tinged and clouded with a pale, ruddy crimson.



MME. CAROLINE
TESTOUT.

Our most popular
Pink Rose. See p. 66.

Viscountess Folkstone. Flowers borne on strong stems, with thick foliage; color, delicately tinted flesh, almost white, with beautiful satin finish.

Favorite Collection of Everblooming Roses

Price: One-year-old plants, 10c. each; set of 12 sorts, \$1.00. Two-year-old bushes, 35c. each; set of 12 sorts, \$3.00.

Bon Silene. The buds are very handsome and produced in great profusion; color, dark, rosy carmine. A general favorite.

Bridesmaid. A fine, clear, dark pink, the counterpart of Catherine Mermet in size and shape of flowers and habit of growth, but much deeper in color and vastly more beautiful.

Duchess de Brabant. Color, a soft, rosy flesh; changing to deep rose, shaded amber and salmon; delightful tea scent; beautiful buds and flowers; a rose having every desirable quality.

La France. Perhaps no rose is better known or more highly valued than La France. Both flowers and buds are of grand size. Color, a silvery rose, changing to pink. A general favorite and the sweetest of all roses.

Madame Francisca Kruger. The striking color of this handsome rose places it at the front as a bud-producer in the open ground. It is closely allied to Catherine Mermet in everything save color, which is deeply shaded, coppery yellow.

Mad. Lambard. A first-class rose for bedding. Color, a beautiful shade of rosy bronze, passing to salmon and fawn, beautifully shaded with carmine.

Marie Van Houtte. Of a fine, faultless straw-yellow color; outer petals washed and outlined with a bright, rosy carmine.

Meteor. Remarkably rich, dark, velvety crimson, with no tinge of purple to mar its beauty; curving; it is a vigorous, bushy grower, with healthy, bright foliage of the deepest green.

Papa Gontier. Large and semi-double; a vivid cherry red color, shaded yellow; reverse of petals crimson; one of the very best and most valuable for open ground. No other red tea rose can compare with it.

Perle des Jardins. This magnificent yellow tea rose still retains its position as one of the finest and most beautiful roses of its color ever produced. The color is a clear golden yellow, an indescribably rich and beautiful shade, and entirely distinct from any other variety. (See cut.)

Rainbow. Beautiful buds and flowers of large size; color, a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber; very fragrant and exquisitely beautiful.

Safrano. Bright apricot yellow, tinged orange and fawn; valued highly for its beautiful buds; very profuse in bloom, and deliciously tea scented.

The Bride. The finest white rose ever offered. The buds are very large and of exquisite form, and the full flower is very double, measuring four inches in diameter.

White La France. This magnificent rose is a pure white La France, having just a breath of rose-tinted blush, decidedly clouding the depths of its broad petals; the buds and flowers are extra large, very full and finely formed; the fragrance is delicious.



PERLE DES JARDINS.

Rose City Collection Hybrid Perpetual Roses

Price: One-year-old plants, 15c. each; set of 12 sorts, \$1.25, postpaid. Two-year-old bushes, 35c. each; set of 12 sorts, \$3.00.

Hybrid Perpetual Roses are among the grandest of Roses, and are hardy in all parts of the country. The flowers are very large, of delightful fragrance, and the colors are generally darker and richer than the ever-blooming Roses.

Anna de Diesbach. Fine, delicate rose, shaded with salmon; very large and exceedingly fragrant. A vigorous grower and profuse bloomer.

Baron de Bonstettin. Splendid, large flowers, very double and full; color, rich, dark red, passing to deep, dark, velvety maroon.

Captain Christy. Color is a lovely shade of pale peach, deepening at the center to a rosy crimson; flowers very large, sweet and exquisitely beautiful.

Coquette des Blancs (Ball of Snow). Pure, snow-white flowers, borne in large clusters; a persistent bloomer; one of the very best white varieties.

General Jacqueminot. Bright, shining crimson; very rich and velvety; exceedingly brilliant and handsome; makes magnificent buds and is highly esteemed as one of the best and most desirable for open ground.

Gloire Lyonnaise. Color, chamoise yellow; deepest at the center, passing to creamy white; large, full, sweet and very distinct.

Magna Charta. Pink, suffused with carmine; full, globular flowers, very large and double; one of the very finest.

Mrs. John Laing. Very free flowering, commencing to bloom early in the season and continuing to bloom profusely until late autumn; color, a soft, delicate pink, with satiny tinge.

Ulrich Brunner. This is really a magnificent rose, extra large, bold flowers, full and globular; petals large and of good substance; color rich,

glowing crimson, elegantly flamed with scarlet; a good grower and free bloomer.

Paul Neyron. Deep, shining rose, double and handsomely formed; blooms freely and is unusually strong and vigorous; the largest variety in existence, and one of the most desirable for the garden.

Prince Camille de Rohan. Very dark, rich velvety crimson, passing to intense maroon, shaded black; one of the darkest roses, and very handsome; regarded as the best of its color.



Ideal Collection Ever-Blooming Climbing Roses

Price: Postpaid, 10c. each; set of 6 sorts, 50c. Two-year-old plants, 35c. to 50c. each.

Beauty of Glazenwood, Gold of Ophir. Bronzed yellow and fawn color; one of our grandest climbing roses; very hardy and a free bloomer; very popular all over the Pacific Coast.

La Marque. Flowers of good size, borne in large clusters, which are the distinctive features of the rose. Established plants bear thousands of blossoms; color, pure white.

Madam Alfred Carriere. Extra large, full flowers, very double and sweet, and a most profuse bloomer; color, rich, creamy white, faintly tinged pale yellow and blush.

Reine Marie Henriette. A strong, vigorous grower; flowers large, full, and of fine form; color, glowing crimson, elegantly shaded.

Reve d'Or. (Climbing Safrano). A splendid, robust climber, best of foliage; color, apricot yellow, with orange and fawn tints; petals of superb and delicate texture; flowers moderately full; always pretty and graceful, whether in bud or full open; a very profuse bloomer.

William A. Richardson. Color, rich coppery yellow, flushed with carmine; a very beautiful variety, having few equals.

Eight Superb New Climbing Roses

Price: 15c. each; eight sorts, \$1.00. Two-year-old plants, 35c. to 50c. each.

Climbing Bridesmaid. A rampant climber and producing such quantities of fine, large, dark pink flowers as to simply smother the plant.

Climbing Kaiserin (Mrs. Robt. Peary). Flowers fine ivory white, of heavy texture, and large size; a grand addition to our list of climbing roses.

Climbing La France. Identical with the well-known La France, except that it has a vigorous climbing habit, flowering continuously all the season; one of the best climbers.

Climbing Meteor. Under favorable conditions, will make shoots twelve to fifteen feet in a single season; very free flowering, producing all through the growing season its rich, dark, velvety crimson flowers, perfectly double.

Climbing Perle des Jardins. Same as the grand old Perle des Jardins and equally good in every way, but of vigorous climbing habit; flowers, golden yellow, of immense size.

Climbing Wootton. This fine red rose is a strong, rapid grower, throwing long, thick canes and bearing large clusters of true Woottons.

Gloire de Dijon. Noted for the great size of its flowers, its delicate tea scent, and its shades of color, being a blending of amber, carmine and cream; a magnificent climber.

Marechal Neil. A magnificent, deep golden-yellow variety; so famous as to need no description; grown the world over for its immense yellow flowers; the finest rose of its color in existence.

The Famous Rambler Roses

Price: 10c. each; 2-year-old plants, 35c. each, except where noted.

The Rambler Roses are strong, vigorous climbers, growing ten to twelve feet high in season. They bear immense clusters of beautiful, fragrant flowers, and will soon cover the whole side of a house with a sheet of lovely bloom. They are the grandest climbing roses yet introduced, perfectly hardy, need no protection, and grow more beautiful every year. If you have none of them, do not fail to order now.

Crimson Rambler. Intense, dazzling crimson, immense panicles.

Pink Rambler (Psyche). Beautiful bright pink, tinged with creamy yellow.

White Rambler (Thalia). Pure snowy white, sweetly scented.

Yellow Rambler. Rich golden yellow, very beautiful.

Dorothy Perkins. Beautiful shell pink, in immense clusters; quite full and double.

Each, 15c.; 2-year-old plants, 40c.

Philadelphia Rambler. Deep, rich crimson, even more intense than the famous Crimson Rambler; blooms in grand clusters, in such numbers as to make the bush appear to be a sheet of bloom.

Each, 15c.; 2-year-old plants, 40c.

Standard or Tree Roses

We do not always have all the leading varieties in Standards, but can almost always supply the leading colors, such as red, pink, yellow and white. We also have some of the Climbers budded on four to five-foot stalks. These are very desirable and quite a novelty, as they form what might be classed as a Weeping Rose Tree.

Price of all Tree or Standard Roses, \$1.50 to \$2.00 each.

Carnations

Enchantress Collection of Choice Carnations

Price: 15c. each; four for 50c.; set of twelve fine varieties, \$1.25, postpaid.



Enchantress. Flowers very large, borne on long stems. The color is a superb shade of flesh pink. An early and continuous bloomer.

Eldorado. Yellow, finely formed flower of good size; petals edged with a narrow band of light pink.

Estelle. A bright, deep scarlet of the largest size.

Empress. Magnificent, bright, rich crimson; large, perfectly double flowers.

Ethel Crocker. The handsomest of all pink carnations; perfect in shade, extra large.

The Queen. Color pearly white, very large, with heavy, glistening petals, delicately fringed; very fragrant.

Flora Hill. The grandest white and most prolific bloomer; of enormous size; full and double.

Goethe. A beautiful, delicate shade of pink, shading to white at edge of petals; flowers of large size.

Mermaid. A beautiful shade of salmon pink; large.

Mrs. Thomas W. Lawson. Simply superb, both in form and color; brilliant dark pink, of immense size.

Prosperity. Distinct pure white, overlaid with pink mottles, deepening toward the center; flowers of enormous size.

Viola Allen. One of the largest carnations. Ground color of flower creamy white; very beautiful; penciled with light pink.

Peru Collection of Fine Carnations

Price: 10c. each; six for 50c.; set of fourteen varieties, \$1.25, postpaid.

America. One of the best reds cultivated, because it begins to bloom early and gives good supply of flowers throughout the season.

Argyle. Flowers of excellent form; a beautiful shade of deep cerise.

Boston Market. Flowers large, full and fragrant, pure white.

Bonton. Regarded by many as the finest scarlet carnation; a vigorous, healthy grower, producing quantities of monstrous sized blooms.

Dr. Patskie. Large flowered variety, white, striped bright scarlet; this is the most showy of all the fancy flowered carnations.

Gaiety. Color, a pearly white, delicately edged and striped pink; one of the finest.

General Maceo. Brilliant dark crimson; very vigorous in growth, of excellent habit.

Miss Frances Joost. Color, soft, pure rose, so much admired by cut-flower purchasers.

Mrs. Leopold Ine. A very attractive shade of carmine not heretofore seen in the carnation family.

Peru. Fine white, large size, very fragrant, and an early, profuse bloomer; flowers of fine form.

Portia. Intense bright scarlet; vigorous constitution.

Psyche. A splendid free flowering fancy carnation; pure white, flaked scarlet.

Queen Louise. A beautiful pure white variety; one of the most prolific bloomers.

William Scott. A free bloomer; fine, sweet flowers; color, bright, delicate, rosy pink.

Yellow Jacket. Deep golden yellow, splashed and striped with red; a very rich combination of colors and a novelty of much merit.

Begonias

Choice Flowering Sorts

Price: Postpaid, 10c. each; set of seven sorts, 60c.

Argentea Guttata. Wine colored leaves with silvery spots; white flowers on the tips of the stems.

Bertha de Chateauocher. The freest flowering Begonia we have. Makes a handsome window plant, with its glossy green leaves and bright red flowers.

Compta. Long-pointed green leaves, having a silver tinge along the midrib; under side of leaves and stem pale pink; fine cluster of white flowers.

Incarnata. A vigorous growing sort, bearing large panicles of pink flowers; fine winter blooming variety.

Marjorie Daw. A strong, healthy grower of semi-climbing or trailing habit; foliage deep glossy green; flowers a beautiful shade of salmon pink, produced in long drooping clusters; an excellent plant for vases, baskets or pots.

Metallica. A fine, erect Begonia, with dark, rough leaves; the surface is a lustrous bronze green; veins depressed and dark red in color; a free bloomer. The panicles of unopened flowers are bright red, with surface like plush; when open the flower is waxy white.

President Carnot. A rapid growing and free flowering variety; beautiful waxy green leaves and large panicles of coral red flowers. A very popular variety.

Rex Begonias

Grown for the beauty of their foliage. The leaves are large, variegated and margined with a peculiar silver-metallic gloss. The most ornamental of window plants. We offer the most distinct and handsomely marked varieties.

Price 15c. each, four sorts for 50c.



REX BEGONIA.

Hardy Flowering Shrubs

For a complete and descriptive list of Flowering Shrubs, Plants and Trees, send for our 52-page Illustrated Nursery Catalog. Free on request.

Chrysanthemums—Large Flowering Japanese

Each, 10c.; ten sorts, 75c.

George W. Childs. No Chrysanthemum has created such a sensation as this; of immense size and of the richest, deep, velvety crimson.

Ivory. Snowy white, of perfect incurved form; very large.

Lady Playfair. A beautiful light shade of pink, having excellent keeping qualities; with extra good stem.

Madame Bergman. Early, coming into bloom the first week in October; a fine, incurved, beautiful, pure white variety; petals twisted and arranged in most artistic manner.

Midge. Broad petaled, incurved flowers, of the purest white; chaste and beautiful.

Mrs. J. G. Whilden. Very early, yellow, reflexed Japanese, of good size, color and substance.

October Sunshine. A handsome yellow variety of pure tint; splendid in size and form; magnificent.

Source de Or. Golden, twisted flowers, tipped yellow and shaded with brown.

Vivian Morel. A very early, large, deep pink variety. Fine double flowers on a stiff stem.

Mrs. Wm. Simpson. A beautiful light shade of pink.

Exhibition Collection

Each 15c.; ten sorts, \$1.00.

Alice Byron. Broad, heavy, incurved petals, of snowy whiteness. A queen among Chrysanthemums.

Black Hawk. The darkest red yet raised. A velvety crimson-maroon. Outer petals are very much reflexed and center erect, making a very large flower.

Colonel Appleton. Rich, golden yellow, immense size, very double; a grand, well built flower, with splendid stem and foliage. A sure winner.

Dr. Enguehard. Big, massive flowers, of a rich shade of pink; superb variety.

Edgar Sanders. An incurved Japanese variety of the largest size; color, rich golden bronze. One of the best.

Major Bonnaffon. Soft, clear yellow, full in the center, eight inches in diameter and nearly as deep. Perfect form and finish.

Madame Liger. Color, a pleasing shade of lavender pink; very free in growth, with good stem and foliage.



CHRYSANTHEMUMS

Mrs. Henry Robinson. Immense, globe-shaped, pure white flowers; one of the grandest sorts.

Oresco. Rich terra cotta color, shaded bronze; large incurved flowers of great beauty.

Timothy Eaton. The largest white Japanese incurved variety yet raised; form round and perfect; growth vigorous, with large dark green foliage.

Geraniums—Superb Bedding

SEVEN FINEST SINGLE VARIETIES.

Price, postpaid, 10c. each; set of seven sorts, 60c.

Leon Perrault. Brilliant scarlet, of the most dazzling shade; very large trusses and florets.

Madonna. Beautiful light pink, upper petals marked with white; very pretty.

Mrs. E. G. Hill. Silver salmon, shaded peach; glistening texture.

Perle. Trusses large and of perfect form; color, pure snowy white.

Queen Olga. Flowers bright pink, upper petals shaded to white.

Sam Sloane. An extra fine, velvety crimson variety, carrying immense trusses in great quantity.

Soliel Cochant. Large flowers of a yellow scarlet color; the finest of the yellows up to date.

SEVEN FINEST DOUBLE VARIETIES.

Price, postpaid, 10c. each; set of seven sorts, 60c.

Beaute Poltevine. Very large, semi-double flowers of a brilliant salmon color.

Bruant. Color bright, vermilion red. Trusses very large.

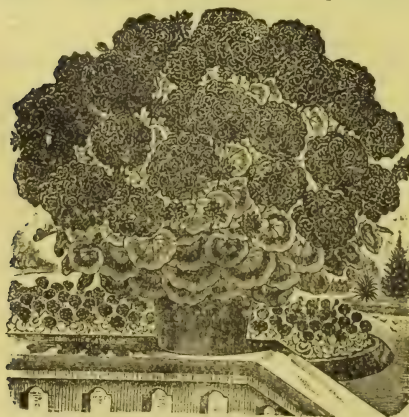
La Favorite. Trusses very large; flowers pure snow white.

Madam Ch. Dabouche. Extremely free in bloom. Color, bright rose, shading to apple blossom.

Mary Hill. The finest pure pink variety known.

Madame Hoste. Flowers of enormous size, color flesh, lined and shaded salmon. One of the finest varieties in existence.

S. A. Nutt. The best of the rich, dark crimson varieties. Trusses massive.



GERANIUM.

English Show Pelargonium

LADY WASHINGTON GERANIUM.

The Most Beautiful Geranium for House or Pot Culture.

Price, postpaid, 20c. each; set of six sorts, \$1.00.

Carnival. A lovely shade of brightest pink, grandly feathered, dark, velvety crimson.

Elsie Runyan. Brilliant shade of cerise with lighter markings. A very free bloomer.

Milton. Upper petals grandly blotched dark maroon, surrounded with bright crimson and edged with rose; lower petals soft pink, feathered with crimson; large trusses of elegantly fringed flowers.

Mabel. Velvety pink, upper petals blotched blackish maroon, lower petals spotted with crimson lake.

Mrs. Hollingsworth. Deep rose ground, feathered with red on upper petals. Fine trusses of large, deeply fringed and crisped flowers.

Rock's Seedling. Flowers very large, bright scarlet; upper petals blotched velvety black; center of flower a distinct shade of violet.

Fuchsias

Collection of seven finest sorts, price, postpaid, 10c. each; complete set, 60c.

Anna Earle. Tube and sepals waxy white; corolla single, clear carmine; plant splendid and free blooming.

General Roberts. Flowers very large, corolla plum color, tube and sepals crimson; one of the finest varieties.

Snowstorm. The freest flowering white variety; extra fine.

Minister Boucher. An 'extra large, double, rosy-purple flower; a free, strong grower; very full wide corolla.

Rosalind. Tube and sepals white, corolla magenta pink. A beautiful sort.

Jupiter. This is a grand, mammoth, double flowered Fuchsia; flowers of enormous size; very large, rich, violet purple corolla; tube and sepals bright crimson.

White Giant. Superb double white variety; tube and sepals bright scarlet; corolla large, double and waxy white; an excellent grower and profuse bloomer.



FUCHSIAS.

Decorative House Plants

Set of four, small plants, 60c.; large plants, \$1.00.

Asparagus Sprengerii (Emerald Feather). This is undoubtedly one of the handsomest and most valuable evergreen trailing plants for the house and conservatory ever introduced. It is especially valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green, feathery foliage, which can be cut freely and are very useful for bouquets, wreaths and all kinds of floral decorations.

Nice plants, 15c. to 30c. each, postpaid.

Asparagus Plumosus (Climbing Lace Fern). A finer and more delicate plant than the Sprengerii, but hardy and easily grown; very satisfactory for window and house culture; an extremely graceful window climber, bright green, feathery foliage, as fine as the finest silk or lace. The fronds retain their freshness for weeks when cut and are greatly admired for floral decorations.

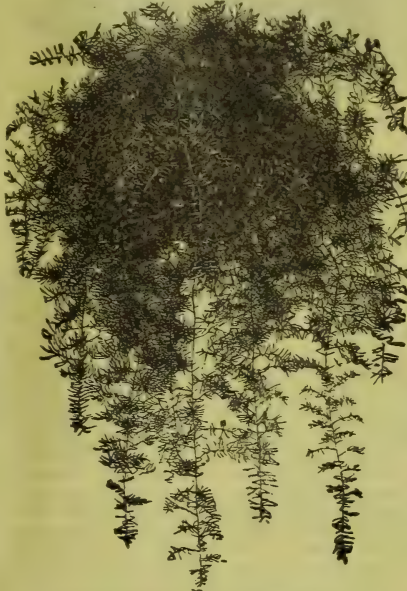
Nice plants, 20c. to 50c. each, postpaid.

Boston Fern. One of the most beautiful and useful of house plants. It is of easy culture and its swordlike fronds, in large specimens, attain a length of 3 to 4 feet, produced in a bewildering mass, arching, curving and interlacing in every conceivable direction.

Nice plants, 20c. to 35c. each, postpaid.

Ostrich Plume Fern. One of the most wonderful and beautiful plant introductions of the present age. This new sort is a sport from the well known Boston Fern, the habit of growth being the same, but without the pinnae being divided, as are the fronds. A matured plant has a beautiful feathery appearance, and we think is one of the grandest of decorative house plants.

Nice plants, 20c. to 35c. each, postpaid.



ASPARAGUS SPRENGERII.

Japanese Fern Ball

Our own importation arrives from Japan about November.

This beautiful novelty is an importation from Japan, and is certainly the finest addition to the fernery yet introduced. The ball is composed of the Japanese Island Fern Roots and Sphagnum Moss, and so constructed as to send out leaves of beautiful emerald green from every point. They grow rapidly and make a handsome ornament for the home, conservatory or greenhouse. This year we can furnish these in the shape of Monkeys, Frogs and Turtles. These novelties are very cleverly constructed.

DIRECTIONS FOR STARTING.

Place ball in water for 15 minutes, and then suspend in any desired position, or place in a shallow dish; repeat every two days until growth is started, after which sprinkle occasionally as required. They need very little sun.

Price of Balls in a dormant state, each, 75c. Monkeys, Frogs or Turtles... each, \$1.00.



FERN BALL
(in full leaf).

Portland Seed Co.

Gentlemen: I received the Asparagus Plumosus in good order. It is one of the nicest plants I ever received from any firm. I also sent an order from Wrenco, Idaho, which I received in good order. The plants were all larger and nicer than I expected. Yours truly,

June 18, 1906.

Mrs. F. W. Dinnis,
Coeur d'Alene, Idaho.

Portland Seed Co.

Gentlemen: All the plants you sent us reached us here in fine condition, with the exception of the petunias. The hops made a growth of 40 feet. You certainly know how to pack plant orders. Yours truly,

Mrs. E. R. Davis, Valdez, Alaska.

Miscellaneous Plants for the House or Garden

Heliotrope. These plants are universal favorites on account of their delightful fragrance. They flower equally well as bedding plants in the summer or as pot plants in the house during the winter. White, blue or purple.

Ipomea (Grandiflora). The true, large, flowering Moon-flower. Price, 10c. each; 4 sorts, 35c; postpaid. Price, 10c. each.

Marguerites (Paris Daisies). Excellent bedding plants, blooming profusely all summer. Two sorts, yellow and white. Price, 10c. each.

Primrose Obconica. A lovely new perpetual blooming Primrose; flowering nearly every month in the year. The flowers are borne in loose trusses; delicate rosy lilac, shaded to white. Price, 15c. each, postpaid.

Primrose, Chinese. One of the best of all the plants we cultivate for winter flowers, and most worthy of recommendation for winter gardening. White, pink and scarlet. Price, 15c. each, postpaid.

Weeping Lantana. A beautiful, new, ever-blooming plant for baskets, vases, pots, or for culture outdoors. Produces its clear, lilac pink flowers in clusters by the hundreds from early summer until severe frost. Deliciously fragrant. Price, 15c. each, postpaid.



PRIMROSE.

Hardy Garden Plants

The plants in this collection are perfectly hardy and are valuable and most desirable in any garden, inasmuch as they die down only to the roots during the winter. They continue to grow and bloom year after year with little or no care, increasing in beauty as they acquire age.

Anemone (Japonica). There is nothing more beautiful in the entire list of hardy plants. They commence to bloom in August and increase in beauty until frost. Two sorts, pink or white. Each, 15c., postpaid.

Aster (Hardy Alpine). One of the most conspicuous of all late blooming, hardy plants. Immense heads of bloom on stems three feet long. Three varieties, white, lavender or purple. Each, 15c., postpaid.

English Daisy (Somerset). Neat, low-growing border plants, covered in the early spring with handsome, white, double flowers. Each, 10c., postpaid.

Delphinium (Formosum). This is certainly one of the handsomest and most satisfactory hardy garden plants. It throws up immense spikes of bright blue flowers from June to October. Each, 15c., postpaid.

English Primrose (Double White). Pretty, low-growing, hardy plant, bearing large, beautiful flowers having the old-fashioned cowslip fragrance. Blooms very profusely early in the spring. Each, 20c., postpaid.

Funkia, Sub-Cordata (Day Lily). Beautiful, broad ovate leaves, with large, lily-like, pure white flowers, in large trusses, and very fragrant. Each, 20c., postpaid.

Helianthus, Multiflorus Plenus. Flowers four inches in diameter, as double as any Dahlia, and cover the plant from the ground to the top all through the season. Color, bright golden yellow; very effective in any situation. Each, 15c., postpaid.

Rudbeckia (Golden Glow). Beautiful, golden yellow flowers as large as a Dahlia. The most effective hardy plant for August and September flowering now in cultivation. Each, 15c., postpaid.

Shasta Daisy. Pure white, Marguerite-like flowers, three inches and over in diameter. Blooms throughout the entire season. Each, 15c., postpaid.

Tritoma Pfitzerii. A stately, hardy plant, very effective for garden and lawn decoration, throwing up tall spikes of bright crimson flowers all summer and late in the fall after other flowers are gone. Each, 25c., postpaid.

Violets. Of all the delightful perfumes, that of the sweet violet is the most delicate and pleasing, and places this modest flower among our greatest favorites. They commence to bloom as soon as cool weather comes in the fall and flower even more profusely in the spring. Blue or white. Each, 10c., postpaid.

Yucca, Filamentosa (Spanish Needle). Grand lawn plant, throwing up immense heads of large white flowers, lasting all summer long. Very hardy and of easiest cultivation. Each, 25c., postpaid.

Summer Flowering, Bedding Plants



During the months of April and May, we have thousands of the following hardy bedding plants, price per dozen by express at buyer's expense: Alyssum, 35c.; Asters, 15c.; Balsam, 50c.; Carnations, 50c.; Cosmos, 35c.; Daisies, 50c.; Forget-me-not, 1.00; Geraniums, 50c.; Heliotrope, 1.00; Hollyhock, 50c.; Lobelia, 1.00; Marigold, 50c.; Mignonette, 50c.; Petunia, 1.00; Pansies, 40c.; Phlox, 50c.; Salvia, 50c.; Stocks, 35c.; and Verbena, 50c.

For description of these flowers, see Flower Seed Department. If wanted by mail, add 25c. per dozen for postage, and if it does not require this amount, we will put in extra plants.

New Giant Pansies

These plants that we are offering are raised from the finest strains of seed. Persons purchasing from us have the assurance that they are getting the best that can be had.

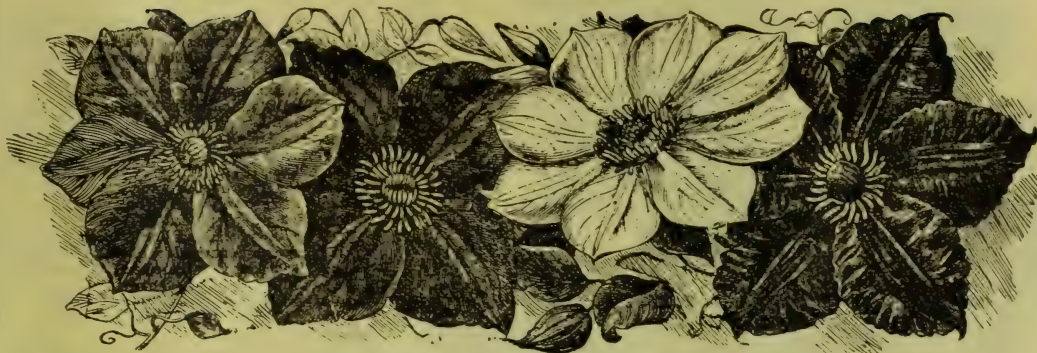
Each, 5c.; per dozen, 50c.; by mail, 75c. dozen.

Note.—From March until June, we have Pansy Plants in full bloom—none finer in the world. Put up one dozen in a basket. (See cut.) Price, 60c. to 75c. per basket by express. You will not be disappointed in these.

Hardy Flowering Shrubs

For a complete and descriptive list of Flowering Shrubs, Plants and Trees, send for our 52-page Illustrated Nursery Catalog. Free on request.

Hardy Climbing Vines



Jackmanii.

Henryi.

Mad. Ed. Andre.

SPECIAL.—One plant of each of these three handsome Clematis, postpaid, only \$1.50.

AMPELOPSIS, or Virginia Creeper.

Quinquefolia. Has large, luxuriant foliage, which in autumn assumes the most gorgeous and magnificent color.

Each, 35c. to 50c.

Veitchii (Boston Ivy, Japan Ivy). This is the handsome creeper so generally used for covering brick, stone and wooden walls; vine grows rapidly; leaves glossy green, taking on beautiful autumnal coloring.

Each, 35c. to 50c.

CLEMATIS.

Hardy vines, bearing beautiful flowers the greater part of the summer and fall. Very desirable for trellises, porches and pillars.

Large Flowering Varieties.

Henryi. Fine, large, creamy-white flowers.

Jackmanii. Violet-purple, rich, velvety appearance. The most popular and finest Clematis we have.

Mad. Ed. Andre. A beautiful red.

Choice plants of above sorts, each, 60c. to 75c.

Clematis Paniculata. A strong, rapid and vigorous grower; it produces sheets of medium-sized

At above prices we will send the plants postpaid, but of course send larger plants by express or freight.

pure white flowers of the most pleasing fragrance; perfectly hardy. Choice plants, 35c. to 60c.

HONEYSUCKLE.

Halleana, Japanese. Vigorous climber; white flowers, changing to yellow; evergreen; very fragrant.

Each, 35c. to 50c.

New Belgian, Sweet-Scented. Remarkable for the large size and delicious fragrance of its flowers; dark, rich red and creamy yellow; healthy, vigorous, free bloomer.

Each, 50c.

IVY.

English. Thick, leathery evergreen leaves; strong growers. Good Roots, each 25c.

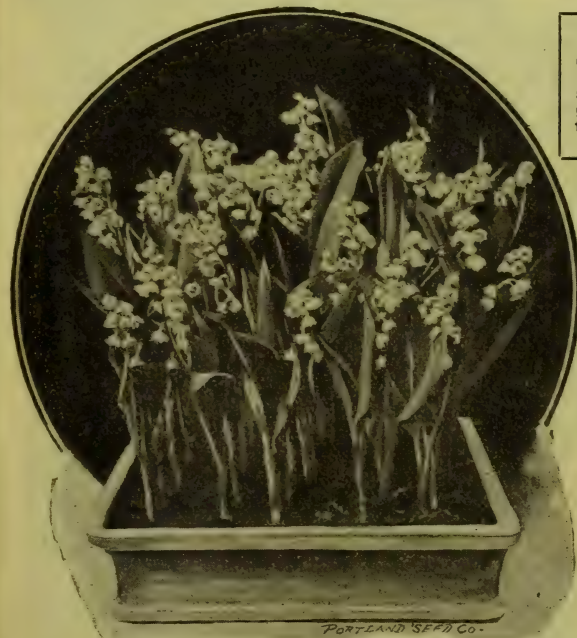
WISTARIA.

W. Sinensis, Chinese Wistaria. One of the most elegant and rapid-growing of all climbing plants; has long, pendulous clusters of pale blue flowers in May and June and in autumn.

Choice plants, each 35c., to 50c.; large, 75c. to \$1.00.

Get our Nursery Catalog for complete list and full descriptions.

Flowering Roots and Bulbs



LILY OF THE VALLEY.

Bulb Catalog

We issued about Sept. 15 a special 20-page illustrated and descriptive catalog of imported flowering bulbs—sent free on request

Portland Seed Co. June 13, 1906.
Gentlemen: I am much pleased with the box of bedding plants sent. They arrived in splendid condition, and they were all such nice, showy plants and look as if every one would grow. I wish to compliment you on the way they were packed.

Mrs. J. G. Edwards, Hay Creek, Ore.

LILY OF THE VALLEY.

One of the most charming spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant, white flowers. It will thrive in any common soil, and will do well in shady situations, where few other plants will succeed. Highly prized for cutting purposes, and exceedingly well adapted for flowering in pots in the winter. Can be forced to bloom in four to six weeks from time of planting.

It is perfectly hardy and most charming planted in beds on borders round the lawn, where they can remain, increase and bloom from year to year.

Each, 5c.; dozen, 40c.; per 100, \$2.50, postpaid.

CALLA LILIES (Lily of the Nile).

The old favorite White Calla Lily is too well known to require any description. Plant one bulb to a six-inch pot, give an abundance of water, light and heat, and the result will be most satisfactory.

Dry roots, superior for forcing and winter-flowering purposes:

First size bulbs, each, 15c.; doz., \$1.50, postpaid. Extra size bulbs, each, 20c., postpaid.

BLEEDING HEART.

One of the most ornamental of hardy spring flowering plants, with elegant, green foliage and long, drooping racemes of heart-shaped flowers. This is deemed one of the finest of all hardy garden plants.

Strong Roots, each, 30c., postpaid.

Cannas



CANNA
FLOWER.

Where brightest and most imposing effects are desired in bedding, the Canna is unequaled. Their large, palm-like leaves and immense spikes of bright colored flowers make a handsome and rich display. They are of easy culture, growing well in any good garden soil. Planted in the early spring, they soon flower and remain so until cut down by frosts in the fall. Recent years have wrought wonderful improvements in Cannas, increasing their beauty a hundred fold.

NOTE.—Discard the old, out of date Cannas you have been planting and get some new types. You will be surprised and pleased at the difference in leaf and flower.

Plant the taller sorts in the center of the beds; shorter ones the outside. We give height of each variety.

We are the largest growers of Cannas and Dahlias on this Coast.

Eighteen Cannas will fill a bed six feet across.

CANNA MUSAFOLIA.

This is the finest foliage Canna yet seen; has enormous Musa-like leaves, 3x 5 feet, of a dark green, bronze-tinged color, the edge of the leaves being beautifully banded with bronze-purple. In size and beauty of foliage it is a revelation, and makes a clump or single specimen plant for the lawn which no other foliage plant can approach. Attains a height of eight feet, beautiful and symmetrical at every stage of growth.

Each, 35c.; 3 for 75c., postpaid.

BLACK BEAUTY.

Majestic, stately; large, massive foliage of the richest bronzy purple shaded with black, the edges of the leaves gracefully undulating. Where foliage effect alone is desired, nothing richer or more handsome can be found; 6 to 7 feet.

Each, 35c.; 3 for 75c.; 12 for \$2.50, postpaid.

Superb, New, Giant Orchid-Flowered Cannas

ITALIA.

Bright orange-scarlet with broad golden-yellow border; the flowers are produced on massive stems, set well above the foliage, which is large and heavy; 5 to 6 feet.

Each, 35c.; 3 for \$1.00.

KING HUMBERT.

(Awarded Gold Medal at the St. Louis and Portland Expositions.) In this grand new Italian Canna we have a combination of the highest type of flower with the finest bronze foliage. Its mammoth flowers are produced in heavy trusses of gigantic size and are of a brilliant orange scarlet with bright red markings, while the foliage is broad and massive and of a rich coppery bronze with

brownish green markings; bold and effective; 5 to 6 feet.

Each, 50c.; 3 for \$1.25; 12 for \$5.00.

LOUISIANA.

A strong, vigorous grower, attaining a height of seven feet, producing a dense mass of glossy green foliage and vivid scarlet flowers of mammoth size.

Each, 50c.; 3 for \$1.25; 12 for \$5.00.

MT. BLANC.

A grand new acquisition; large, pure white, well shaped flowers which are produced in great profusion; contrasts well with the highly colored sorts; foliage, bright, glossy green; 3 to 4 feet.

Each, 35c.; 3 for 90c., postpaid.

Columbia Collection Giant Flowering Cannas

Price 20c. each; 3 for 50c.; 12 for \$1.60, postpaid.



CANNA PLANT (in bloom)

Charles Henderson. Green foliage. This we consider one of the finest bedding varieties in existence as it is of compact, vigorous growth and a free bloomer; color, a deep, rich crimson; 4 to 5 feet.

Shenandoah. A splendid, bronze leaved variety, unique and rare. It bears fine, large trusses of beautiful waxy rose-pink flowers; early and abundant bloomer; highly ornamental, 4 to 5 feet.

Martha Washington. The finest pink Canna. Flowers extra large; color, clear, rosy pink, very bright; foliage green; 4 to 5 feet.

Multnomah. Flowers, bright rich golden yellow, thickly dotted with bright red; of large size and perfect form; a fine bloomer; foliage green; 4 to 5 feet.

Willamette. A glorious Canna, with large flowers in immense trusses; color, rich cherry carmine, producing a gorgeous effect; bronzy foliage; 4 to 5 feet.

Oregon. The flowers are truly gigantic in size; beautiful, rich canary yellow; inner part of petals shows fine crimson spots; strong, thick, dark leaves; 5 to 6 feet.

Kate Gray. Foliage, green; flowers very large; rich orange scarlet marbled with red, yellow in the throat; 5 to 6 feet.

Pennsylvania. Foliage, green; giant flowers of deep, solid red; profuse bloomer; 5 to 6 feet.

Rainier. A fine bedding variety, foliage large and good texture, dark green; flowers, rich, velvety crimson; 5 feet.

Mixed Cannas

(Assorted Roots).

We do not advise the planting of mixed Cannas, as you cannot make such an effective display, but they are low in price and will answer for some purposes.

Each, 15c.; 6 for 75c.; 12 for \$1.25, postpaid.

Lilies

These are the most fragrant, beautiful and stately of all flowers produced from bulbs; they require very little care. Do not disturb them oftener than every five years. Plant about six inches deep. The *Harrissii* and *Longiflorum* Lilies force very easily. The *Speciosum* are, next to the *Auratum*, the most magnificent species for outdoor culture. They increase in size and beauty each year.

Lilium Candidum. This is the ever-popular, fragrant, snow-white, hardy garden Lily. The flowers are produced in clusters at the top of 4 to 5-foot stems; blooms in the open ground in June. Each, 15c.; dozen, \$1.50.

Lilium Harrissii. Known as the "Easter Lily." The flowers are delightfully fragrant, pure waxy-white, trumpet-shaped, and of great substance. Each, 25c.; dozen, \$2.50.

Lilium Longiflorum. Very much like the *Lilium Harrissii*, but little later, profuse bloomer. In the open ground they bloom in June and July. Each, 15c.; dozen, \$1.50.

Auratum. The handsomest and probably the most popular of the Japan Lilies. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a golden band shading its edges into white; very fragrant. Each, 20c.; dozen, \$2.00.

Auratum Platyphyllum. Similar to *Auratum*, larger and finer. Each, 25c.; dozen, \$2.50.

LILIUM SPECIOSUM.

No words can overestimate the brilliant beauty of this charming variety. Its six broad white or pink petals are thickly dotted with rose or carmine spots, and the graceful form, brilliant color, and exquisite fragrance make this one of the most effective and desirable of the lily family. They are profuse bloomers and last for days after being cut and put in water.

Speciosum Album. Pure white; flowers freely. Each, 25c.; dozen, \$2.50.

Speciosum Rubrum. White, with dark rose spots. Each, 20c.; dozen, \$2.00.

Speciosum Rubrum Melpomene. Rich, blood crimson, heavily spotted. Each, 20c.; dozen, \$2.00.

Tigrinum Flore Pleno (Double Tiger Lily). A magnificent lily of stately habit, bearing immense clusters of large double flowers; color, bright orange spotted with black. Each, 15c.; dozen, \$1.50.

Tigrinum Splendens (Improved Single Tiger Lily). Large flowers of excellent form; color, orange salmon, with dark spots; hardy and free bloomer. First size bulbs, each, 15c.; dozen, \$1.50.

Washingtonianum (Mt. Hood Lily). A beautiful lily, native of Oregon; flower of open form, white, tinted with lilac; grows three to five feet high; very fragrant. Each, 20c.; dozen, \$2.00.



LILIUM AURATUM.

Our Bulbs are large
and bloom the
first year.



Caladiums

Esculentum (Elephant's Ear). Grand tropical looking plant. A favorite for specimens on the lawn, or for bordering large sub-tropical groups. In deep, rich soil, if freely watered, they produce enormous leaves, frequently four feet long by three feet wide. Height, 4 to 5 feet.

Each, 20c.; 12 for \$1.50, postpaid.

Gladioli

The most satisfactory, desirable and popular of all garden bulbs. Nothing else of the kind costs so little, grows and blooms so readily in any soil or climate as *Gladioli*. They thrive and bloom with the least care and attention, and make a display which for brilliancy and beauty of coloring few bulbs can equal and none surpass. Our collections contain many of the finest and highest priced sorts. *Gladioli* are of the simplest culture. Plant any time from March to June.

Gladioli Lemoini. These have odd and fantastic markings; brilliant and showy colors, mostly light shades.

Large bulbs, 10c. each; \$1.00 doz. Second size, 8c. each; 75c doz., postpaid.

Gladioli Childsi. Of grand size; large and very showy; containing a color per cent. of red and dark shades.

Large bulbs, 10c. each; \$1.00 doz. Second size, 8c. each; 75c. doz., postpaid.

Gladioli, Groff's Hybrid. A mixture of Hybrids of all sorts, giving in one bed the greatest range of colors and variations.

Large bulbs, 10c. each; \$1.00 doz. Second size, 8c. each; 75c. doz., postpaid.

Gladioli, Fine Mixed. This mixture will produce a large variety of flowers at a little expense; unequaled for the price.

Large bulbs, two for 15c.; 75c. per doz. Second size, 50c. per doz., postpaid.

Plant Gladioli

They come into bloom at a season when other flowers are scarce and no flower is finer for cutting for bouquets.

Dahlias

The Dahlia is one of the most popular Summer and Fall flowering bulbs and a great favorite of many. The flowers are showy and gorgeous and produced in great profusion. The latest introductions are marvels of beauty; fine for bouquets and decorations. Dahlias commence to bloom in July and continue until cut down by severe frost.

We are making a specialty of growing Dahlias and offer only such varieties as we know have special merit. We write our descriptions in the Dahlia fields while the plants are in bloom and are not guessing as to color and general effect. Few people realize the beauty and charming effect of these improved varieties. We offer four classes. See cuts for general form of flower.

Triumphant Collection Dahlias

This collection contains six of what we believe to be the most magnificent and up-to-date sorts, an ideal collection.

SPECIAL.—One bulb each variety, only \$2.25.

Triumphant (No. 3).

Of all the Yellow Cactus we have ever seen or grown, this is the finest, in fact it is the only long pointed, petaled sort we have been able to find. It is perfect in form; bright lemon yellow; flowers large. Each, 50c., postpaid.

Sensation (No. 1).

A grand, new sort; flowers, large, and of a most attractive color; the only variegated Cactus we know of; color, bright orange striped and flecked with red. No description will do it justice. Each, 40c., postpaid.

Loyalty (No. 2.)

An attractive variety; petals, claw-like, fluted, and curving mostly inward; one of the most fantastic varieties; color, bright coral red; good bloomer. Each, 45c., postpaid.

King Edward (No. 1).

In offering this grand, new Cactus Dahlia we are sure it is the finest scarlet to date. It is a good grower and a profuse bloomer; has fine, bright green foliage. The deep, rich scarlet blooms are of grand size and texture. Petals long and narrow. (See colored cut on back cover.) Each, 60c., postpaid.

Kriemhilde (No. 3).

An exquisite, delicate, shell pink shading to white in the center. The finest and most perfect pink in its class yet introduced. Largely advertised and much sought after. Excellent for cutting; profuse bloomer. Each, 30c., postpaid.

White Wonder (No. 3).

This is really the finest pure white Cactus Dahlia yet produced; flowers large and of fine shape; petals extra long and narrow; a truly grand sort. Each, 50c., postpaid.

Queen Collection Cactus Dahlias

Each One a Gem in Itself.

SPECIAL.—The full set of six sorts, \$1.20, postpaid.

Pearl of the Garden (No. 1). Flowers large and of a lovely canary yellow color; stems, long and stiff; flowers, good size; petals, long and narrow and much twisted and twirled. Each, 20c., postpaid.

Brittania (No. 1). An early and free bloomer. The handsome flowers are borne on long, stiff stems and are of a soft salmon pink. Each, 30c., postpaid.

British Queen (No. 3). A lovely, pure, delicate white, of fine form. Flowers are carried perfectly upright on stiff stems; one of the best whites. Each, 30c., postpaid.

Countess of Lonsdale (No. 1). A comparatively old variety, but growers will not discard it on account of its value as a cutting flower and the profusion with which it blooms; color, rich salmon shaded pink. Each, 20c., postpaid.

Mrs. Peart (No. 3). The freest blooming white Cactus we have; handsome and attractive; sometimes not so full as cut shows; petals a little broader. Each, 20c., postpaid.

Innovation (No. 2). A fine, showy sort with long, wiry stems holding the flowers well away from the foliage; petals, long and pointed; bright red shading to white at the tips; free bloomer. Each, 30c., postpaid.

Single Dahlias

New "Twentieth Century." No single Dahlia ever created such a sensation or was received with such popular favor as this. The flowers come in a great variety of colors and measure four to six inches across.

Mixed colors. Price, 20c. each; four for 60c., postpaid.

New French "Collarette." The peculiarity of the type lies in the development of stamens at the base of the petals, which form a frill or collar around the center.

Mixed colors. Price, 20c.; three for 50c., postpaid.

Mixed Dahlia Roots

This mixture contains all classes and many of the latest and choicest varieties that we do not have in quantity enough to catalog separately. Good value and excellent for planting out for cut flowers.

Price, 15c. each; 2 for 25c.; \$1.25 dozen, postpaid. By express at purchaser's expense, \$1.00 per dozen.



For Your Guidance

We have placed a number after the name of each variety, referring to cut numbers, which will show general style and type of the flowers.

Decorative, Show and Fancy Dahlias

The following varieties are the best in their class. One bulb each, entire collection of ten sorts, only

\$1.60, postpaid.

Hero (No. 4). Handsome flowers, medium size, flushed, streaked and marked with red; petals, broad and pointed; stems, long; a novelty.

Each, 40c., postpaid.

Mrs. Bennett (No. 4). Decorative. Soft crimson, large and well formed; petals broad and pointed.

Each, 20c., postpaid.

Dr. Gates (No. 4). Decorative. Beautiful shell pink shading to blush; stems, long; excellent variety for cutting. You better send for the Doctor.

Each, 20c., postpaid.

Mrs. Winters (No. 4). Of fine, open, showy form; profuse bloomer and the best pure white of its class; excellent for cutting.

Each, 20c., postpaid.

Matchless (No. 4). Decorative. A grand, free bloomer; a rich, glistening crimson overlaid with dark, velvety maroon; finest and darkest in this collection.

Each, 15c., postpaid.

Sylvia (No. 4). Decorative. A profitable, commercial pink, 4 to 6 inches in diameter; fine form and full to the center, which is white, shading to soft pink at the outer edges; of great substance; profuse bloomer; stems, long and strong.

Each, 20c., postpaid.

Opal Queen. A new decorative variety; color as difficult to describe as the opal itself. It might be called a light sulphur overspread and shaded pink, giving it varied hues. A pleasing and rare color.

Each, 25c., postpaid.

Grand Duke Alexis. Show. Flowers, large, white, shaded or tinted with light lavender; a grand sort and excellent for cutting.

Each, 20c., postpaid.

Yellow Prince. Show. Large, handsome yellow.

Each, 15c., postpaid.

A. D. Livoni. A beautiful clear pink, of perfect quilled form and a free bloomer.

Each, 15c., postpaid.



NOTE.—Dahlia Bulbs can be sent any time from February 1 to June 30.

Iris

Magnificent plants for the garden. They bloom profusely and are exceedingly showy and fragrant. The colors are brilliant and cover a wide range of different shades and combinations. In the open ground they are perfectly hardy, increase rapidly and make a magnificent display, either in clumps or borders. They do best in rich, moist soils. Plant in the fall or early spring.

GERMAN IRIS (Iris Germanica).

These are perfectly hardy, thrive anywhere, grow and bloom luxuriantly, and are remarkably rich and beautiful in color and graceful in form; deliciously fragrant and fine for cutting.

Named sorts Each, 12c.; doz., \$1.25; 100, \$6.00.

Mixed varieties Each, 10c.; doz., \$1.00; 100, \$5.00.

JAPAN IRIS (Kaempferi).

The Japanese Iris is quite distinct from all others and never fails to excite the admiration of all who see it. It is becoming more popular each year. The enormous flowers display a marvelous blending of rich and rare shades of violet, blue, crimson, white and yellow. It would take pages to describe the beauty of the following named kinds. We merely give general color effect; first color given predominating. All are double unless otherwise marked. (See cut.)

Nosora. White, shaded and marked sky blue, yellow and lavender.

Kumo. Dark lavender, shaded and marked yellow, white, lilac; single.

Hoojo. Ruddy crimson, shaded and marked white and purple.

Sofu. White, shaded and marked violet and sky blue.

Nishiki. Claret red, shaded and marked white and orange.

Yomo. Lavender, shaded and marked blue, yellow and red lavender.

Funjin. Purple, shaded and marked navy blue and orange.

Isho. Vinous purple, shaded and marked gray, crimson and violet.

Ujino. Purple, shaded and marked orange, claret, gray; single.

Shimoyo. Gray, shaded and marked lavender, yellow, white; single.

Named varieties as above, strong clumps Each, 20c.; doz., \$2.00.

Mixed, good assortment Each, 15c.; doz., \$1.50.

ENGLISH IRIS (Anglica).

Beautiful, attractive and worthy of a place in every garden. Their large, peculiarly-shaped flowers remind one of the rare orchids. This variety has large flowers of purple, violet, lilac, rose, pink, and white shades, and a few spotted. Set the bulbs in clumps three inches apart each way and three inches deep. (See our bulb catalog for more information.)

Named sorts Each, 6c.; doz., 60c.

Mixed varieties Each, 5c.; doz., 50c.



SPANISH IRIS (Iris Hispanica).

One of the most satisfactory varieties of Iris to grow, being very hardy and equally good for forcing indoors or garden culture. The flowers are of great beauty, having many different blendings of colors, and if cut when in bud will last a long time in water. (See our bulb catalog for more information.)

Named sorts (new sorts) Each, 5c.; doz., 40c.

Mixed varieties (good assortment) Each, 3c.; doz., 25c.

Peonies—Double Herbaceous

The development and increase in popularity of the Peony has been unrivalled among flowers. One of the most popular hardy plants grown for lawn and garden decoration, or for mingling with shrubs or herbaceous plants. The flowers are large, massive, perfect in outline and most beautiful. They are perfectly hardy; are not troubled with insect pests, and once planted take care of themselves, increasing in beauty each year.

Festiva Maxima.—A rare variety of great beauty. flowers perfectly double; pure, snowy white, center flaked crimson; finest white in cultivation.

Price, 75c., postpaid.

Golden Harvest. Nearest approach to yellow; shows some pink while in bud; a grand flower.

Price, 60c., postpaid.

Queen Victoria. A full, strong white with yellowish-tinted center; very popular.

Price, 30c., postpaid.

Jubilee. White, edged with crimson; semi-double; very showy and pretty.

Price, 50c., postpaid.

L'Esperance. Tall, robust grower; good bloomer; flowers fragrant and of a good pink color.

Price, 30c., postpaid.

Officinalis Rubra. Bright scarlet crimson; very early and fine.

Price, 30c., postpaid.

Officinalis Alba. White, blooms with Officinalis Rubra; flowers large and handsome.

Price, 40c., postpaid.

Floral Beauty. Light pink, yellow center; full and double. A very pretty and desirable sort.

Price, 30c., postpaid.

Fragrance. Late; color, deep rose; fragrant and a very prolific bloomer.

Price, 30c., postpaid.

Peony Moutan

(Tree Peony.)

Grows four feet high, forming a small tree-shaped shrub; very handsome in bloom. We have Crimson, Pink, White, Scarlet, Rose and variegated.

By express at buyer's expense (too heavy to mail). Strong imported roots from January to May.

Each, 75c.
Large, nursery-grown plants, 1½ to 2 feet, \$1.50.



DOUBLE PEONY (Half Natural Size).

Our 52-page illustrated and descriptive catalog of Flowering Shrubs and Trees, Roses, Evergreens, Vines, etc., free on request.

Vegetable Plants

We grow large quantities of vegetable plants, and can supply all the kinds listed below, in their proper season, in most any quantity. We have made arrangements this year so that we can supply all vegetable plants in two grades, plants direct from the seed beds, and those that have been transplanted into shallow boxes.

Transplanted plants are much stronger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts, but reserve the right to substitute varieties if necessary. No plants sent C. O. D. Write for prices in large quantities.

Celery.

Postpaid. By Express.

	Dozen.	100.	1000.
Leading kinds, transplanted.....	\$0.25	\$0.75	\$6.00
Not transplanted.....		.50	5.00



TRANSPLANTED CABBAGE PLANTS.

Cabbage.

Postpaid. By Express.

	Dozen.	100.	1000.
Early or late kinds, transplanted.....	\$0.20	\$0.75	\$6.00
Not transplanted.....		.50	4.00

Add 25c. per 100 for Cabbage Plants by mail.

Cauliflower.

Postpaid. By Express.

	Dozen.	100.	1000.
Early Snowball, transplanted....	\$0.30	\$1.25	\$8.00
Not transplanted.....		1.00	7.00
Late kinds, transplanted.....	.30	1.00	7.00
Late kinds, not transplanted....		.75	6.00

Add 25c. per 100 for Cauliflower Plants by mail.

Tomatoes.

Postpaid. By Express.

	Dozen.	100.	1000.
Leading kinds, transplanted....	\$0.30	\$1.00	\$7.00
Not transplanted.....		.75	6.00

Add 40c. per 100 for Tomato Plants by mail.

Sweet Potato Plants.

Dozen. 100. 1000.

.....	.30	1.00	7.00
-------	-----	------	------

Add 25c. per 100 for above plants by mail.

Chives (Schnittlauch), per bunch.....25c

Vegetable Roots, Etc.

ASPARAGUS.

One-year-old plants.

Postpaid, doz., 25c.; 50, 75c.; 100, \$1.00.

By express or freight, doz., 20c.; 50, 50c.; 100, 75c.

Two-year-old plants.

Postpaid, doz., 40c.; 50, \$1.00; 100, \$1.50.

By express or freight, doz., 25c.; 50, 75c.; 100, \$1.00

Write for prices if wanted by the thousand.

HORSE RADISH ROOTS.

Postpaid Each, 5c.; doz., 40c.

By express or freight Doz., 25c.; 100, \$1.50.

HOP VINES.

Strong roots.

Postpaid, each, 5c.; doz., 40c.

By express, doz., 25c.; 100, \$1.50.

We can make very low prices if wanted by the 1000.

RHUBARB ROOTS.

Varieties—Mammoth, Giant and Linnaeus.

One-year-old roots. Postpaid, each, 8c.; doz., 75c.

By express or freight, doz., 50c.; 100, \$3.00.

Two-year-old roots. Postpaid, each, 15c.; doz., \$1.50.

By express or freight, doz., 85c.; 100, \$6.00.

If wanted in larger quantities, write for special prices.



STRAWBERRY PLANTS

Choice Plants

Plants grown in our carefully prepared beds are far superior, will come into bearing earlier, and will produce finer and better fruit and more of it. Order Portland Seed Company's selected Strawberry Plants, packed in special ventilated crates. We are sure they will please you. Our Fruit Free Catalog tells more.

Wilson. A heavy bearer of fine, moderate-sized berries; sharp acid flavor; leading sort for canning.

Admiral Dewey. This grand new Oregon berry is large, very firm and a good shipper; unexcelled for canning; color, beautiful dark red, extending to the center; shape, conical; of excellent flavor; a very early, abundant and continuous bearer.

Gandy. A profitable market sort. Its season is late to very late, being in its prime when most other sorts are gone; fruit, large, handsome and uniform, and makes an excellent showing; of excellent quality and a good shipper. The price always advances the latter part of the season, when the Gandy is in perfection.

Johnson's Early. One of the earliest varieties and a profuse bearer; healthy and hardy; berries of a fine, bright, rich color, and exceedingly rich in flavor; good size and even shape.

Marshall. One of the best all-around Strawberries; very large; dark crimson throughout; fine flavor; a fine market and table berry. One local grower says in size, appearance, flavor and sweetness, it is superior to the popular Magoon.

Magoon. Berry large, fine and excellent; sub-acid flavor; bears heavily and throughout the season.

Clark's Seedling. Berries large, firm, and of delicious flavor; vines bear large crops; is especially adapted to dry soil. A good shipper.

Lovett. No person need hesitate to plant this variety for either home or market use. It is one of the tough, hardy varieties that will never disappoint the grower, always producing a heavy crop of excellent berries. Fruit medium to large, conical, firm and of good color and quality.

NEW OREGON (Improved).

Introduced by Portland Seed Company in 1903. Do not confound this new sort with the old, run-out Oregon Everbearing. This is the greatest and grandest Strawberry ever introduced; 15 berries fill a quart box; 60 berries fill a five-pound grape basket. You never saw its equal. It always looks bright, fresh and attractive. This handsome new Strawberry has made a very favorable impression. The berry is very large, firm and handsome; rich, dark red, extending to the center. The flavor is rich, sweet and delicious. For table use and canning it cannot be equaled. The "Oregon" ripens very early and continues in bearing until late in the season, a good second crop coming on about October. Very prolific and a heavy cropper.

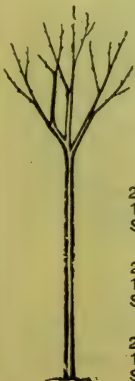
PRICE LIST OF PLANTS—

	Dozen.	100.	100.	1000.
Admiral Dewey.....	\$0.40	\$1.75	\$1.25	\$7.00
Clark's Seedling.....	.25	1.00	.60	4.50
Gandy .....	.30	1.25	.70	5.00
Johnson's Early.....	.35	1.50	.75	6.00
Lovett .....	.30	1.00	.70	5.00
Magoon .....	.25	1.00	.60	4.50
Marshall .....	.35	1.25	.75	6.00
New Oregon—Improved.....	.40	2.00	1.50	8.00
Wilson .....	.25	1.00	.60	4.50

Not less than 500 plants of a kind at 1000 rate—Special prices on 3000 or more.

Fruit Trees and Bushes

Our large 52-page Nursery Catalog contains a complete list with full description and illustrations of Fruit, Shade and Ornamental Trees, Shrubs, Climbers, etc. We would be pleased to mail a copy of it to anyone wishing it. We simply give below and on the following page a condensed price list. Order any varieties you want at following prices. We can supply all reliable and standard sorts.



Each. Per 10.		Each. Per 10.	
APPLES.		CRAB APPLES.	
2 years.....	\$0.25 \$2.00	Nice stocky trees.....	.35 3.00
1 year, 4 to 6 feet.....	.25 1.75		
Select, 2 to 3 years.....	.35	Each. Per 10. Per 100.	
APRICOTS.		PLUMS.	
2 year.....	.35 3.00	2 years.....	\$0.25 \$2.25 \$20.00
1 year, 4 to 6 feet.....	.30 2.75	1 year, 4 to 6 feet....	.20 1.75 15.00
Select, 2 years.....	.40	Select, 2 to 3 years.....	.30
CHERRIES.		PRUNES.	
2 years.....	\$0.50 \$4.00	2 years.....	.25 2.25 20.00
1 year, 4 to 6 feet.....	.35 3.00	1 year, 4 to 6 feet....	.20 1.75 15.00
Select, 2 years.....	.75	Select, 2 to 3 years....	.35

PEARS.

	Each.	Per 10.
2 year old	\$0.35	\$3.00
1 year old, 4 to 6 feet.....	.30	2.50
Select, 2 to 3-year-old stock.....	.50	....

PEACHES.

2 year old .....	.35	3.00
1 year old, 4 to 6 feet.....	.30	2.50
Select, 2 year old .....	.40	....

QUINCE.

2 year old .....	.40	3.50
1 year old .....	.35	3.00
Select, 2 year old .....	.50	....

CURRENTS.

2 year old .....	.15	1.25
1 year old .....	.10	.75
Extra large, selected bushes.....	.25	....

RASPBERRIES.

	Each.	Per 10.	Per 100.
Best Red Sorts.....	\$0.06	\$0.50	\$4.00

BLACK CAP RASPBERRIES.

2 year old	\$0.08	\$0.75	\$6.00
1 year old (January 1).....	.06	.50	4.00
Low prices by the thousand.			

GOOSEBERRIES.

2 year old	\$0.10	\$0.90	\$8.00
1 year old .....	.08	.70	6.00

GRAPES.

2 year old .....	.20	1.50	10.00
1 year old .....	.12	1.00	8.00
Extra large and strong roots ..	.25	....	....

BLACKBERRIES.

Standard sorts .....	.08	.75	6.00
Oregon Evergreen .....	.10	.90	8.00

New Mammoth Blackberry

This wonderful new blackberry, which was introduced as a novelty several years ago, has proved to be a grand addition to the list of blackberries. The handsome, large, juicy berries are delicious.

This new blackberry is claimed to be a cross between the wild blackberry and Crandall's Early. Grows entirely unlike any other blackberry plant known. It is a rampant grower, trailing on the ground, and under favorable conditions will grow twenty feet in a season; the canes are large, of deep red color when exposed to the sun; the foliage is large, thick, of a deep green color. It is enormously productive and exceedingly early, ripening three weeks before other cultivated kinds, thus bringing fancy prices. Fruit is enormous, specimens measuring 2½ inches long; seeds small, soft and abundant; cores small, soft. In size and flavor it is said by those who have tested it to surpass all other varieties of blackberries. We offer it to the public, feeling that it is a novelty of real merit.

Prices, Each, 25c.; per 10, \$2.00; per 100, \$15.00.

Logan Berry

(Raspberry-Blackberry.)

This comparatively new berry is becoming more popular each year. It is a cross between a blackberry and raspberry. The vine grows entirely unlike the blackberry or raspberry; it trails upon the ground like a dewberry. The canes are very large, without the thorns of the blackberry, but have very fine spines, like those found on the raspberry; leaves resemble those of the raspberry more than the blackberry, are of a deep green color, coarse and thick. An exceedingly strong grower and an enormous bearer. The fruit is generally larger than the blackberry, often an inch and a quarter long; color, dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and the raspberry, a mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Fruit ripens early, the bulk being gone before the blackberries or raspberries become plentiful. It is a firm and a fine shipper. It is excellent for the table, eaten raw or stewed, and for jelly or jam it is without an equal.

Prices: Two year old, 20c. each, \$1.75 per 10, postpaid; by express or freight, \$1.50 per 10; \$12.50 per 100. One year old (tips), 15c. each, \$1.20 per 10, postpaid; by express or freight, \$1.00 per 10; \$7.50 per 100. Low prices by the thousand.

Burbank's Phenomenal**A New Berry**

Mr. Burbank's latest triumph.

It has made for itself, by its just merits, hosts of new friends within the past year. To see it in its perfection is to desire it.

It is a cross between the "Improved California Dewberry" and the "Cuthbert Raspberry." Takes its color and flavor from the latter and size and shape from the former. Mr. Burbank describes it as "larger than the largest berry ever before known." Bright crimson raspberry color, productive as could be desired, and most delicious of all berries for pies, canning, jellies or jams.

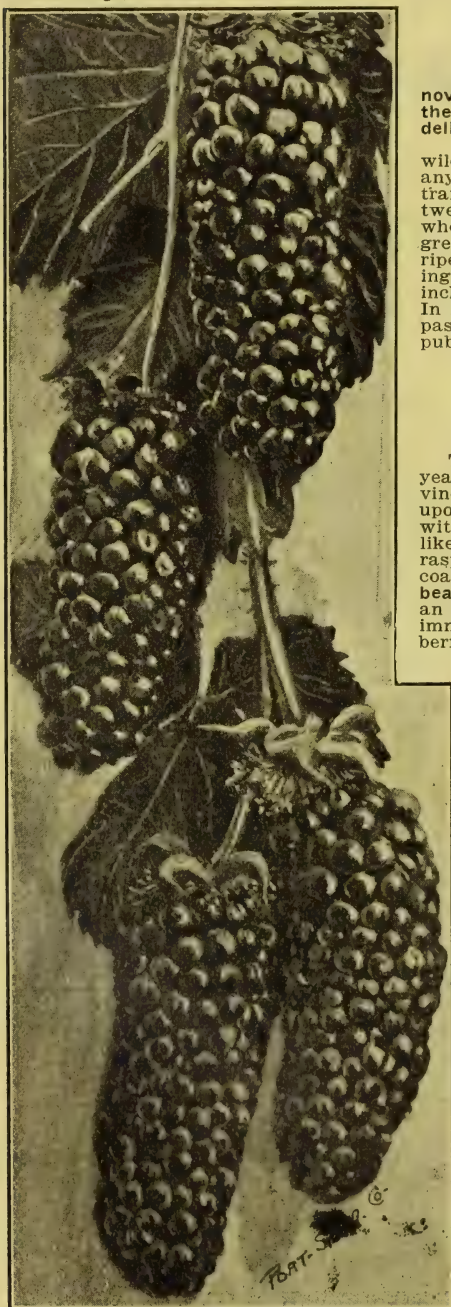
The berries grow in clusters. Easily grown, stands shipping well, and warranted hardy everywhere. Culture same as Logan Berries.

Prices: Two year old, 20c. each; \$1.75 per 10, postpaid; by express or freight, \$1.50 per 10; \$12.50 per 100. One year old (tips), each, 15c.; \$1.20 per 10, postpaid; by express or freight, \$1.00 per 10; \$7.50 per 100.

Dewberry

Lucretia. A trailing variety of the blackberry, ripening between the raspberry and the blackberry. Fruit large, handsome, sweet and luscious.

Price: Each, 15c.; per 10, \$1.25, postpaid. By express or freight, \$1.00 per 10; \$7.50 per 100.



MAMMOTH BLACKBERRIES.

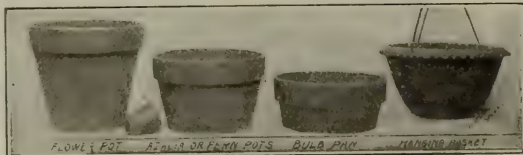
Natural size (cut made from photograph).

Flower Pots, Fern and Bulb Pans, Saucers

We are agents for the Garden City Red Clay Pots and buy in carload lots. The wholesale trade, florists and nurserymen are requested to send for special prices, stating quantity wanted. These are by far the finest pots offered on this coast.

FLOWER POTS (See cut.)

	Each.	Dozen.	Saucers.
2 inch.....	\$0.03	\$0.25	No
2½ inch.....	.03	.30	extra
3 inch.....	.04	.35	charge
4 inch.....	.05	.55	up to
5 inch.....	.07	.80	seven
6 inch.....	.10	1.10	inch
7 inch.....	.12	1.25	\$0.03
8 inch.....	.15	1.50	.04
9 inch.....	.25	2.50	.05
10 inch.....	.30	3.00	.08
12 inch.....	.50	5.00	.10
14 inch.....	.75	8.00	.25
16 inch.....	1.25	12.00	.40



AZALIA OR FERN POTS—BULB OR SEED PANS.

	Each.	Dozen.
5 inch.....	\$0.10	\$1.00
6 inch.....	.12	1.25
7 inch.....	.15	1.40
8 inch.....	.20	1.70
9 inch.....	.30	2.85
10 inch.....	.35	3.50
*12 inch.....	.60	6.00
*14 inch.....	.85	9.00
*16 inch.....	1.50	14.00

Saucers for these same prices as others.

*We cannot supply in Bulb and Seed Pans.

Raffia and Reeds

For Basket Making.

Of late Raffia weaving has become very popular. Baskets, Jewel Boxes, Shopping Bags, Mats, Cushions, Slippers and Hats are but a part of the many useful articles woven.

Raffia. We formerly had Raffia in the natural color only, but now we have it in almost any shade, the popular colors being red, green, yellow, orange, brown, black, blue and purple. Prices: Natural color, ¼ lb. packages, 10c.; postpaid, 15c.; per lb., 25c.; postpaid, 50c. Colored Raffia, per package, 10c.; postpaid, 15c.; per lb., 75c.; postpaid, \$1.00.

Reeds. In the weaving of the larger baskets Reed is used as a frame or foundation, making them firmer and heavier. We have these in six sizes, put up in 10c., 15c., and 20c. packages; 5c extra for postage. By the pound, No. 1, \$1.60; No. 2, \$1.40; No. 3, \$1.30; No. 4, \$1.15; No. 5, \$1.00; No. 6, 90c. If wanted by mail, add 25c per lb. extra for postage.

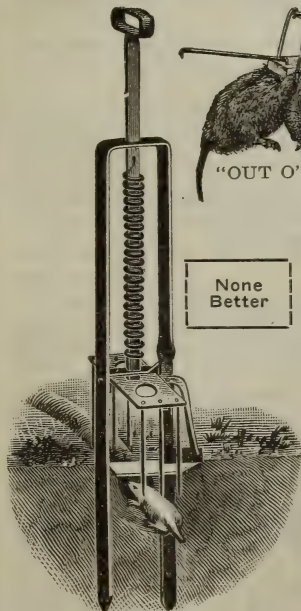
Samples showing colors of Raffia and sizes of Reeds sent for 2 cents to cover postage.

We have a valuable little book on Basket Making, only 25c., postpaid.

Traps, Etc.



None Better



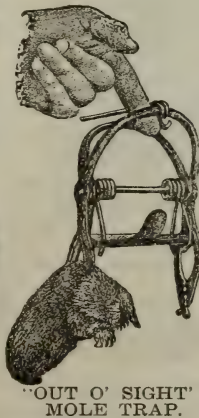
REDDICK TRAP.

REDDICK MOLE TRAP.

No Mole Can Pass Under It and Live.

These traps are strong and durable and worth the price to anyone troubled with moles. Full directions with each trap. (See cut.)

Price, \$1.00; cannot mail.



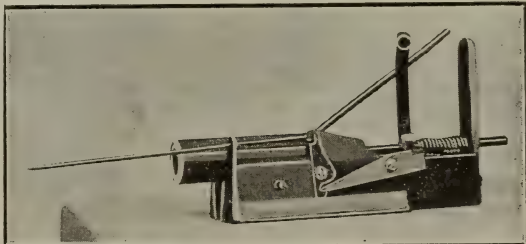
"OUT O' SIGHT" MOLE TRAP.



BEFORE TAKEN.



AFTER TAKEN.



PORTLAND SEED CO.'S GOPHER GUN.

Far superior to the old styles; breech loader; place in the runway; perfectly safe. Made for 16-gauge shells; discharged by a push or a pull and can be set for hawks, coyotes and coons. Price, \$1.75.

OUT O' SIGHT TRAPS.

Out O' Sight Rat Trap.....	Postpaid, 25c.
Out O' Sight Mouse Trap.....	Postpaid, 10c.
Out O' Sight Gopher Trap.....	Postpaid, 25c.
Ouo O' Sight Mole Trap (cannot mail).....	\$1.00

Spray and Garden Hose



RUBBER HOSE.

COTTON HOSE.

This season we are offering our customers a very complete and reliable line of spray and garden hose. We buy in very large quantities direct from the manufacturers, which places us in a position to quote the following very low prices. Most of the brands we offer are manufactured especially for us and can be obtained nowhere else. Buy hose that is guaranteed.

Monarch Spray Hose. The Monarch, a new spray hose we have added this year, is even a better grade than our well known "Pomona." It is absolutely the best hose we can buy; the rubber is of exceptionally good quality and is very heavy; also the cotton ducking is thick and strong, and we do not hesitate to recommend it to the orchardmen, who must have a very high grade and strong spray hose.

Monarch Special Spray, $\frac{1}{2}$ -inch (only), per ft., 18c.

Pomona Spray Hose. Our well known Pomona is the best hose which can be bought at a moderate price. It has stood the test of time and hard usage and has always proved good.

Price, $\frac{1}{2}$ -inch, per ft., 13 $\frac{1}{2}$ c.; $\frac{3}{4}$ -inch, per ft., 15c.

"Hood" Garden Hose. This is an excellent grade of garden hose and is fully guaranteed. It is made with four heavy plies of canvas and with good, thick inside tubing. We have no hesitancy in recommending this for ordinary garden use.

Price, $\frac{1}{2}$ -inch, per foot, 10c.; $\frac{3}{4}$ -inch, 12 $\frac{1}{2}$ c.

St. Helens Garden Hose. This is a good grade of garden hose of moderate price. Is guaranteed, and where a hose of medium price is wanted it will give excellent satisfaction.

Price, $\frac{1}{2}$ -inch, per foot, 9c.; $\frac{3}{4}$ -inch, 11c.

Spray Material and Washes

For Destroying Insects, Scale, Etc.

We have dropped from our list the No. 1, 2 and 7 Solid Sprays, which are so hard to dissolve, and offer in their places liquids, which are far more efficient and much easier handled. All that is needed in our Bordeaux and Lime and Sulphur Solution is to add water, either hot or cold, and the spray is ready. There is no grit or sediment from either of these mixtures and they will not clog the strainer or wear out the nozzle.

Arsenate of Lead. The best and latest insecticide. It will not burn the foliage and stays on the trees longer than any other spray made.

2-lb. can, 50c.; 5-lb. can, \$1.00;

10 lbs., \$1.80; 25 lbs., \$4.25; 100 lbs. kegs, \$15.00.

Arsenic Soap. To kill Aphis. Per can, 25c.

Blue Label Slug Destroyer. This is the first powder of its kind that we ever found to positively kill slugs and keep them away from young plants. Full directions on each package. Put up in 25c., 50c. and \$1.00 packages.

25c. packages will be sent by mail, postpaid, for 35c. **Bordeaux Mixture.** For Fungi; in liquid form. Dilute with 49 parts water.

1 qt., 60c.; 1 gal., \$1.50.

Bluestone. (Vitriol.)

Lb., 10c.; per 100 lbs., market price.

Buhach. Per oz., 10c.; $\frac{1}{4}$ lb., 25c.; 1 lb., 75c.

Bug Death. A non-poisonous insect killing powder that is in high favor among gardeners for cabbage, tomato and cucumber bugs, etc. Use 12 pounds per acre. Lb., 15c.; 5 lbs., 65c.

Fir Tree Oil Soap. For killing green aphids.

$\frac{1}{2}$ -lb. can, 25c.; by mail, 35c.; 2 lbs., 75c.

Fostite. For mildew or fungus. Per lb., 15c.

Hammond's Slug Shot. For destroying slugs, cabbage and turnip flea, currant worms, etc.

Per lb., postpaid, 35c.; 5-lb. pkg., 50c.

Hammond's Grape Dust. To prevent mildew on roses, grapes and gooseberries. Per lb., 15c.; postpaid, 35c.; 5-lb. pkg., 50c.

Solid Sprays by mail, 20c. lb.; liquids cannot be mailed. Write for prices on sprays in larger quantities.

Competition Garden Hose. This is the cheapest hose we have. It is not guaranteed, but in some cases where a hose is required only for a short time it will give excellent service.

Price, $\frac{1}{2}$ -inch, per foot, 5 $\frac{1}{2}$ c.; $\frac{3}{4}$ -inch, 6 $\frac{1}{4}$ c.

NOTE.—All our hose is furnished in 50-foot lengths and comes coupled ready for use. We will cut any of these hose in 25-foot lengths at an additional cost of 25c. for couplings. We will cut $\frac{1}{2}$ -inch Pomona and Monarch Spray Hose in any length desired, at an extra cost of 25c. in less than 25-foot lengths.

Cotton Garden Hose. There is a constantly growing demand for a light weight, yet strong, durable hose, which will stand good pressure, but still is not heavy to handle. This demand has been fully met by our new process rubber lined cotton hose. The rubber lining is of the best quality. The hose is made in 50-foot lengths and is already coupled.

Best Cotton. Good value for the money.

Per foot, $\frac{1}{2}$ -inch, 10c.; $\frac{3}{4}$ -inch, 12 $\frac{1}{2}$ c. Second Grade.

Per foot, $\frac{1}{2}$ -inch, 9 $\frac{3}{4}$ c.; $\frac{3}{4}$ -inch, 12 $\frac{1}{4}$ c.

Suction Hose. This is an excellent grade of suction hose, and is what we furnish with our regular pump outfit.

Price, per foot, $\frac{3}{4}$ -inch, 27 $\frac{1}{2}$ c.; 1 inch, 35c.

Helebore. $\frac{1}{4}$ lb., 15c.; $\frac{1}{2}$ lb., 20c.; 1 lb., 35c.

Kerosene Emulsion. An excellent spray for woolly aphis and clover mite.

Qt., 60c.; 2 qts., \$1.00; 4 qts., \$1.50.

London Purple. Per lb., 30c.

Nico-Fume. The best tobacco paper insecticide for fumigating greenhouses. Per can of 24 sheets, 75c.

Nicotide. The best fumigator and spray for greenhouse work. Kills aphis, red spider, mealy bug, thrip, etc.

Pint can, \$2.50; qt., \$4.50; gal., \$15.00.

Paris Green. 1-lb. pkg., 35c.; 2-lb. pkg., 65c.

Rose Leaf. For destroying all insects and scale on plants. Pt., 30c.; qt., 50c.

Quassia Chips. Generally used with Whale Oil Soap for lice, etc. 1 lb., 10c.; postpaid, 30c.

NOTE.—To make standard hop spray, use 1 lb. each Quassia Chips and Whale Oil Soap with 8 gallons water.

Sulphur, Powder.

Lb., 5c.; 100 lbs., market price.

Tobacco Stems. Lb., 3c.; per 100 lbs., \$2.50.

Tobacco Dust.

Lb., 10c.; postpaid, 30c.; 10 lbs., 60c.; 100 lbs., \$4.50.

Whale Oil Soap. For aphis, plant lice, etc.

1 lb., 10c.; postpaid, 30c.; 100 lbs., \$5.00.

White Arsenic. Per lb., 15c.

Sprays—Continued

Scalecide

The Best Commercial Spray for San Jose Scale and All Soft-Bodied, Sucking Insects.

This assertion is not based on a single test on ten or a dozen trees, but on actual work on great commercial orchards, where thousands of gallons of spray were used. "Scalecide" is a petroleum oil that mixes at once with cold water in any proportion, and stays mixed. It is not necessary to use an extra tank or barrel and no hot water should be used. Can be prepared in an instant at the spring or creek nearest to the orchard by simply adding one gallon of "Scalecide" for every fifteen or twenty gallons of water, right into your spray tank. No crude oil is used in the manufacture of "Scalecide," all the light and heavy oils that might prove injurious being removed—but we retain as much as possible all the Soluble Sulphur which has insecticidal value. It is an absolutely unfailing remedy for San Jose scale. Attested to by thousands who have used it. Price, per gal., \$1.00; 5 gals., \$4.00; 10 gals., \$7.50; 50-gal. bbl., \$28.50. Send for printed matter concerning "Scalecide."

Lime and Sulphur Solution

For San Jose Scale.

The "Lime and Sulphur Solution" for San Jose Scale is endorsed by Experiment Stations and State Horticultural Societies of all the fruit growing states. It is recognized and recommended as the best known preparation for exterminating San Jose Scale on all deciduous trees.

Our Lime and Sulphur Solution is a perfect chemical combination and is far superior to the home-made or crudely made Lime and Sulphur wash. The home-made preparation is not made in a way that will get the sulphur dissolved and in chemical combination with the Lime, and to get the two completely into a finished, chemically combined Solution is important. Our Lime and Sulphur Solution reaches the full limit of value, and its lasting value is much greater than the Lime and Sulphur wash that is not perfectly combined chemically.

Our Lime and Sulphur Solution is made of the purest and best quality of Sublimed Sulphur and of Lime that tests 99.98 per cent. pure. It is a clear, deep cherry colored liquid, free from sediment. It is a beautiful product and is very reasonable in price and its work is perfect. It is all ready for use just as you get it. Merely add 11 gallons of water with each gallon of the Lime and Sulphur Solution. There is no sediment to clog the sprayers. No boiling is to be done, which saves fuel, time, labor and annoyance. It is always alike and uniform in strength and results. Price, 1 gal., 65c.; 5 gals., \$2.00; 10 gals., \$3.85; 50-gal. bbl., \$13.00.

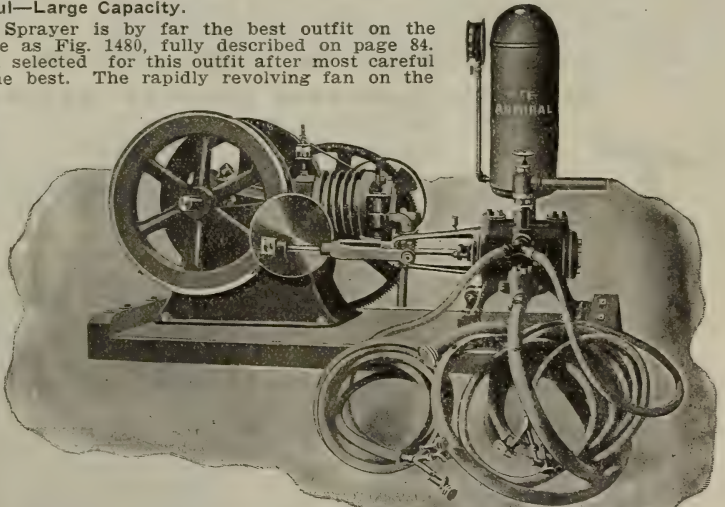
Spray Pumps

Every grower of fruit, berries, or flowers should have a good spray pump of some kind, one suited to the work that is to be done. If you want to get the best results, you must spray, and spray often. Remember, a person derives the same satisfaction from using a good spray pump that he does from using a good article of any other kind; so when you buy, buy some of the following up-to-date and reliable outfits:

Portland Seed Co.'s Power Spraying Outfit

With Air-Cooled Gasoline Engine, Built In Two Sizes. Compact—Very Powerful—Large Capacity.

The Vice-Admiral Power Sprayer is by far the best outfit on the market. The pump is the same as Fig. 1480, fully described on page 84. The Air-Cooled Gasoline Engine, selected for this outfit after most careful tests, we consider as one of the best. The rapidly revolving fan on the side of the engine cylinder forces a current of air about the radiating flanges of the cylinders, keeping them cool. This does away with the circulating tank necessary with water-cooled engines, simplifies the mechanism, removes all danger from freezing in cold weather, and materially reduces the weight. The engine is extremely simple, requires no engineer to run it, and when not required for spraying it can be detached from the pump by removing one bolt in the driving gear and can then be utilized for a variety of purposes about a farm. It requires from 1 to 2 gallons per day to run the engine continuously. This outfit is of ample capacity for eight "Mistry" nozzles maintaining a pressure of 125 lbs. It is fitted with a 200-pound pressure gauge and a relief valve that can be adjusted for any desired pressure. This valve must be connected by pipe back to the tank; when the pressure goes above the desired point, the valve opens and returns the spray liquid back to the tank.



Outfit A.—Fig. 1480. 2½-in. cylinder; 10 ft. 1-in. suction hose and strainer; 2 25-ft. leads of best 7-ply ½-in. discharge hose; 2 8-ft. bamboo extensions with globe valves with "Y" connections on each. Four large "Mistry" nozzles. Pressure gauge. Water relief valve and a 2½ horse power air-cooled gasoline engine. Complete and ready to operate \$205.00

Outfit B.—Same as Outfit A, but with four complete leads of hose instead of two \$218.00

For a complete index to this Catalog, see inside front cover.

Spray Pumps—Continued

Gould's Pomona

Our Leading Barrel Pump.

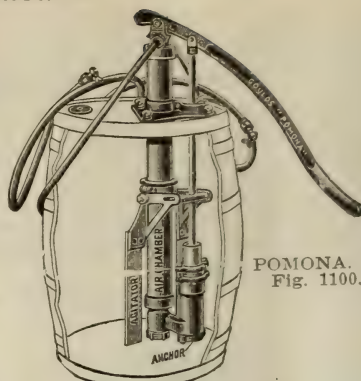
Fig. 1100. "Pomona" Spray Pump has won for itself an enviable reputation. We unhesitatingly offer it as the best orchard spray pump for mounting in a barrel. It has great power and capacity. Briefly stated, other points of superiority are: No leather packings, consequently no hardened and useless valves. All working parts bronze, including plunger, gland, valves, valve seats, etc. Plunger is outside packed. Valves are easily accessible. Air chamber is very large and of steel, free from imperfections of cast iron. Lever long and powerful, with adjustable stroke, three, four or five inches. The agitator, as shown in the cut, is operated by the stroke of the handle, so whenever any liquid is operated it is thoroughly agitated. Pump is held securely by small anchor located at bottom of barrel and by adjustable clamp plate at the top. New plate admits insertion or withdrawal from barrel without removing the agitator.

Outfit A. Pump only.....\$15.00

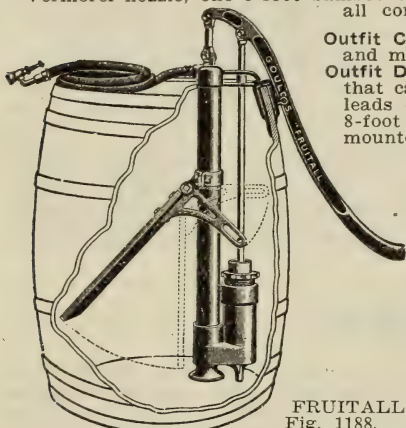
Outfit B. Pump with 10 feet $\frac{1}{2}$ -inch best 4-ply spray hose, one Vermorel nozzle, one 8-foot bamboo extension, with globe valve, all complete\$18.25

Outfit C. Same as Outfit B, except we furnish a good hardwood barrel and mount the outfit.....\$20.75

Outfit D. This is our regular Pomona outfit, the best barrel pump outfit that can be bought. It consists of one No. 1100 pump with two 15-foot leads of best 4-ply spray hose, two Vermorel or Seneca nozzles, two 8-foot bamboo extensions, with globe valves; all in working order and mounted in barrel\$25.00



POMONA.
Fig. 1100.



FRUITALL
Fig. 1188.

The Fruitall

Fig. 1188. "Fruitall" Spray Pump is made on the same general lines as our now famous "Pomona." It is, however, made lighter and of smaller capacity. All working parts including plunger, gland, valves, valve seats and strainer, are made of brass. Regularly fitted with double wing paddle agitator, same style as used on "Pomona," and which has proved to be the best type. Pump is held in barrel by anchor at bottom and adjustable clamp at top, fitting over end of stave. Not made for side of barrel.

Outfit A. Pump only\$11.00

Outfit B. Pump with 15 feet 4-ply spray hose and one Vermorel nozzle, all complete\$14.00

Monarch Two-Cylinder Spray Pump

Fig. 1318. Monarch. This new pump, which we have added to our list this year, has many advantages, and we believe it is the best of the large pumps. The main advantages are: First, the long lever, which can be shifted to pull or push, or to lift or drop, and can be changed by the operator any time he desires a relief; second, the pump stands outside of the barrel and all parts can be easily looked after; third, cylinders are perpendicular, and any grit from the lime is carried on through or falls into the bottom of the chamber and does not lie against the plunger to wear it or the packing out, as is the case with the horizontal cylinders; fourth, there are no valves in the plungers and the packing is on the outside and can be tightened any time, merely by the use of a wrench, without taking anything to pieces; fifth, the four brass valves (each one by itself and under a separate cap), can be reached by merely unscrewing the cap and without disturbing the rest of the pump. We can supply any outfit desired with this pump. Price, pump only, including strainer and hose connection and 5 feet $\frac{3}{4}$ -inch suction hose.....\$26.00

Gould's Admiral Double Acting Sprayer

For Large Orchards, Parks, Groves, Etc.—Very Powerful.

The "Admiral" is double acting and produces a steady stream at the nozzle; is built for continuous hard work and high pressure. Especially designed for large orchards and high trees, and will be found to meet every requirement. The brass cylinder lining is of heavy seamless tubing with a cast bronze cylinder head, and can be easily removed, as shown in the engraving. This is an important feature, as the gritty nature of many of the spray mixtures has a tendency to cut the cylinder lining, and when it is badly worn it can be replaced at small cost. The valves are all brass and each one in a separate valve box. They are easily reached by removing the bronze valve box covers with a wrench, iron rod or stout stick. The brass piston rod is outside guided, making a perfectly straight thrust through the stuffing box, which is outside packed.

The removable malleable iron lever is long and powerful, and with the large air chamber, $7\frac{1}{2}$ inches by 22 inches, a high pressure can be easily maintained. Suction can be taken from either side of the pump, and there are two discharge openings fitted for $\frac{1}{2}$ -inch hose. When ordered without hose or nozzle, both discharges have half couplings for $\frac{1}{2}$ -inch hose and a brass strainer.

This Sprayer is of sufficient capacity to supply, if necessary, four leads of hose or two leads, each with two, three or four nozzles, and will be found fully as serviceable as a power sprayer for orchards not large enough to warrant the purchase of a power outfit.

This same pump fitted with a pitman in place of lever for connection to gasoline engine.....\$30.00

Outfit A. Pump only, with strainer and suction hose coupling.....\$32.75

Outfit B. Pump with 8 feet suction hose and strainer\$32.75

Outfit C. Pump with 8 feet suction hose, two 25-foot leads best $\frac{1}{2}$ -inch hose, two 8-foot bamboo extensions, with Globe valves and nozzles.....\$40.00

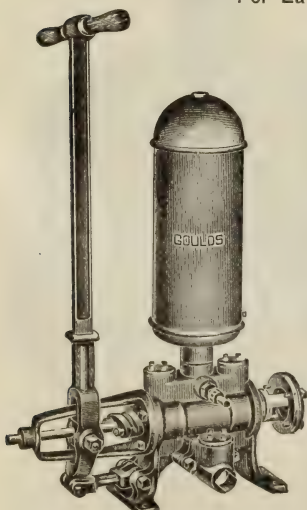
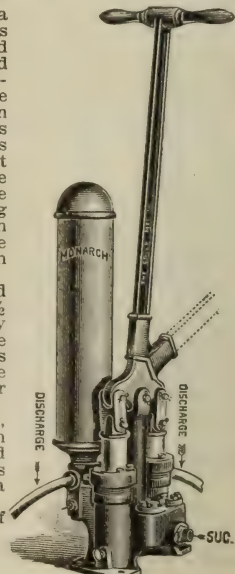


FIG. 1479.



MONARCH.

Spray Pumps—Continued

Gould's Standard Sprayer

Powerful, Large Capacity, Durable.

The "Standard" Sprayer is made with a 2-inch cylinder. The cylinder is brass-lined, the plunger brass-encased and the valves are brass, making all working parts proof against the spraying mixtures. The plunger is easily repacked without taking the sprayer to pieces, and is unusually large, known as a "differential" plunger, which produces a continuous stream of liquid from the nozzle, similar to the action of a double-acting pump. The large standard provides an ample air chamber. The base is made so as to fit either the end or side of a barrel.

- Outfit A. Pump and Strainer only..... \$7.50
 Outfit B. Pump with Agitator and Suction Pipe..... 9.00
 Outfit C. Same as B, with 1 15-ft. Hose and Nozzle..... 12.50
 Outfit D. Same as C, with 2 15-ft. Hose and Nozzle..... 15.75
 Outfit E. Same as D, with 2 Bamboo Extensions and Globe Valves..... 18.50
 We supply a barrel and mount Sprayer for \$2.50 extra.

PORTLAND SEED CO.'S STANDARD BUCKET PUMP.

This little pump is very convenient for all sorts of small work. The best low-priced pump on the market. Price, \$2.50.

PREMIER BUCKET PUMP.

Fig. 561½. Brass bucket pump, arranged with suction and discharge hose and spray nozzle, which will throw a solid stream or a fine spray. Pump has brass cylinder, plunger and rod and is particularly adapted for washing windows and wagons, spraying flowers in conservatories, gardens, etc. Price, complete, \$5.75.

BORDEAUX BUCKET PUMP.

Fig. 1129. Brass garden and spray pump; is especially designed for spraying in gardens and greenhouses. The pump is double action in effect; Seneca nozzle, ball valves; proof against the action of acids and oils. Foot piece is malleable iron. Pump is set in pail or bucket, with foot rest outside. Price, complete, \$4.00.

KNAPSACK PUMP.

Fig. 1323. Consists of a five-gallon galvanized tank, inside of which is a brass pump; provided with straps for carrying on the back, or may be used as a bucket sprayer by removing long lever and operating pump by handle at top. Price, \$8.00.

ASPINWALL POWDER SPRAYER.

Fig. 20. Excellent for blowing powder on vines and bushes; good size and works fine. Price, \$1.15.

ASPINWALL SPRAYER.

Fig. 30. One of the most convenient and economical hand sprayers for applying liquid lice killers, sprays, etc. Nothing cheap but the price. Price, 65c.; charges paid, 90c.

SMITH'S PATENT FORCE PUMP.

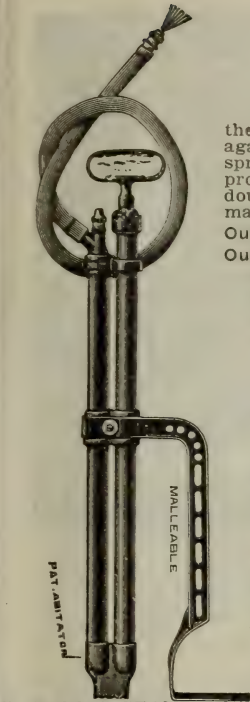
Fig. 50. Just the thing for whitewashing your henhouse, washing windows, and other light work. Fine for sprinkling the garden; handy in case of fire. Tin; four nozzles. Price, \$1.00.

DAVOL PLANT SPRINKLERS.

The bulb is of smooth, firm quality, white rubber. The tips are of hard rubber, well fastened at the neck; will not rust or corrode. A turn of the wrist unscrews the tip to fill bulb by suction.

	Each.	Postpaid.
No. 2, 6 ounce, straight tip...	\$0.70	\$0.80
No. 3, 8 ounce, straight tip...	.75	.85
No. 4, 10 ounce, straight tip...	.80	.90
No. 6, 6 ounce, bent tip.....	.75	.85
No. 7, 8 ounce, bent tip.....	.85	.95
No. 8, 10 ounce, bent tip.....	1.00	1.10

Good Books on Spraying. See page. 43.



P. S. CO.'S STANDARD.



KNAPSACK. 1323.



DAVOL.

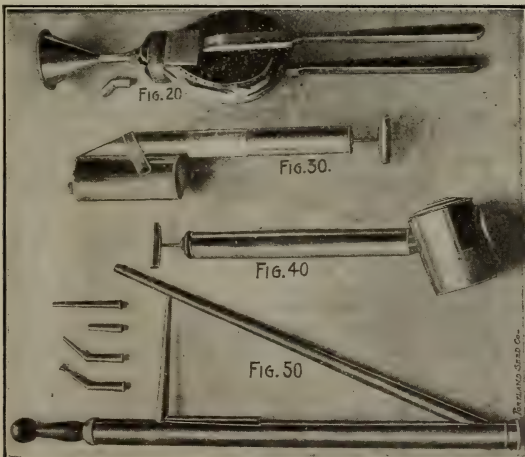


Fig. 561½.



Fig. 1129.

Spray Pumps—Continued

Multi Spray

The Latest and Best Compressed Air Sprayer on the Market.

The handiest and most economical for spraying small Fruit Trees, Shrubs, Roses, Vines, Vegetable Plants, Etc., Etc., and for Windows, Henhouses, Disinfecting, etc.

General Description.—Made of heavy, polished brass or galvanized steel, as ordered. Top and bottom are dome shaped; joined to body under heavy pressure, making a complete double seam. The body is supported and further strengthened by a heavy steel band around the bot-tom. When complete, this body is tested under heavy pressure, making them absolutely airtight.

The air pump is made of heavy brass. Solid brass hose couplings; high grade, three-ply hose. Each sprayer equipped with a safety valve.

Our new "Kant-Klog" Nozzle furnished with this Sprayer without extra charge; makes two bell sprays of different size, volume and fineness; one flat spray and two sizes of straight streams. The new spring "Hose-Cock" shown herewith is also furnished without extra cost. A slight pressure of the thumb starts the spray. Remove it and the spray stops instantly. This is the only nozzle that can be successfully cleaned without stopping the spray. Sprayer holds between four and five gallons and can be carried either by carrier strap or air pump handle.

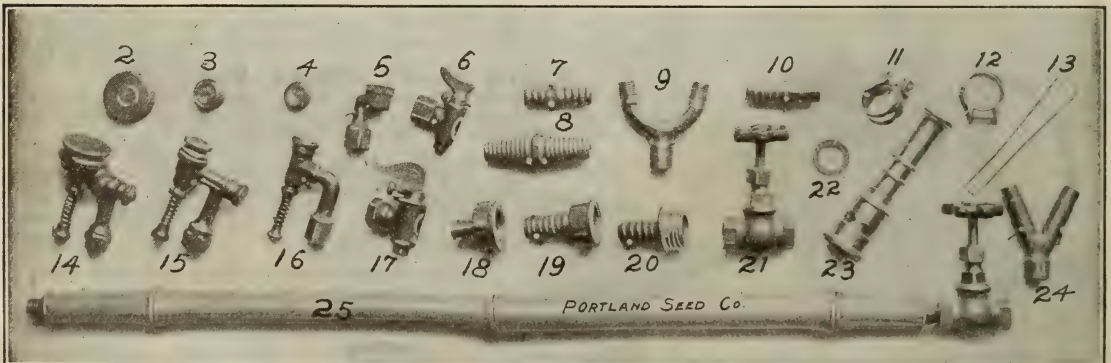
Directions.—A few seconds working of the air pump thoroughly agitates the solution and charges the sprayer with compressed air. This being a very powerful and elastic force, will, as soon as the thumb presses the "Shut-Off," force out the liquid in the form of either a spray or a solid, continuous stream, as desired.

After the sprayer is charged, you need not stop for anything; just walk along from one row to another; the machine will supply sufficient spray to enable you to do the work as fast as you can walk. The great saving in time, labor and solution, even on small sprayings, will more than pay for this splendid machine the first month it is used, to say nothing of the big increase in crops as a result of spraying properly.

Prices: Multi-Sprayer, complete, as shown in cut, galvanized tank, \$5.50; Polished Brass, \$7.00. Extension Rods, 2 feet, brass couplings, each, 25c.



"KANT-KLOG" SPRAYER.



Nozzles, Connections and Hose Supplies

Mistry, Jr. Newest and best. Throws a perfect spray. Of greater capacity and a great improvement over all other nozzles. Produces a perfect fog in great volume at a light pressure.

Price, \$1.25.

Fig. 15—Mistry Nozzle. The latest thing in Spray Nozzles. It produces a perfect mist or fog with small pressure.

Price, \$1.00; extra cap, Fig. 4, 15c

Fig. 14—Large Mistry. Same as above, but is larger and has a swivel adjustment which allows the spray to be thrown at any desired angle.

Price, \$2.00; extra cap, Fig. 2, 30c.

Fig. 16—"Vermorel" Spray Nozzle with degorger affords a conical discharge. Very popular.

Price, 75c.; extra cap, Fig. 3, 20c.

Two-Discharge Vermorel covers twice the surface sprayed by the single nozzle. It is without doubt the best nozzle for general orchard work.

Price, \$1.75.

Fig. 6—"Seneca" gives a very wide spray; discharge easily graduated.

Price, 75c.

Fig. 17—Bean Improved. Use this nozzle for whitewashing.

Price, 75c.

Fig. 23—Gem Hose Nozzle. One of the best for yard use.

Price, 45c.; postpaid, 60c.

Fig. 25—Bamboo Extension. Has iron pipe inside of bamboo. Has stopcock or Globe valve fitted for 1/4-inch pipe. Other end cut 1/4-inch pipe thread to fit our spray nozzles.

Bamboo. Iron.

2 to 4 feet with Globe valve.....	\$1.25	\$0.90
6 feet, with Globe valve.....	1.35	1.00
8 feet, with Globe valve.....	1.50	1.10
10 feet, with Globe valve.....	1.65	1.20
12 feet, with Globe valve.....	1.80	.....

Fig. 21—Globe Valve. Can be used on any of our pumps for closing off one nozzle at a time; 1/4-inch round.

Price, 50c.

Fig. 18 1/2—Hose Coupling. Female. 2 1/2-inch shank, for heavy pressure spraying; similar to Fig. 19; for half-inch hose.

Price, 20c.

Fig. 10—Nozzle Coupling and Hose Stock.

Price, 25c.

Fig. 18—Nozzle and Hose Coupling.

Price, 30c.

Fig. 336—Three-Way Cock.

Price, \$2.00.

Fig. 24—Brass "Y." ¾-inch for hose coupling. Each, 75c.**Fig. 24—Brass "Y."** ¼-inch for thread for nozzles. Each, 50c.**Fig. 9—Brass "Y."** ¼-inch for nozzle only. 50c.**Fig. 11-12.—Brass Yerndon's Bands.** ½ or ¾ inch. Postpaid, each, 5c.; per doz., 50c.**Fig. 19—Hose Couplings.** ½ or ¾-inch, complete. Postpaid, 25c.
1 inch. Postpaid, 30c.**Fig. 13—Caldwell Bands.**

Per doz., postpaid, ½-inch, 25c.; ¾-inch, 30c.

Fig. 8—Iron Hose Menders.

½-inch or ¾-inch, 5c.; 1 inch, 10c.

**Fig. 7—Brass Hose Menders.**

½-inch or ¾-inch, 10c.

Fig. 22—Hose Washers.

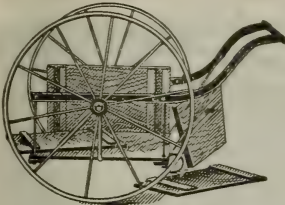
½-inch, dozen, 10c.

PACIFIC LAWN SPRINKLER.

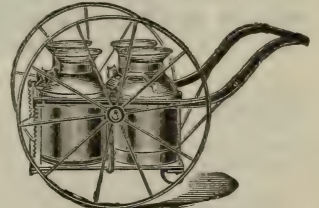
Properly constructed, iron stand, upper part all brass. Turns with small force. Price, \$1.00.

Butler Hand Cart

This cart is made with a platform box set on a dropaxle so as to be near the ground. It can be used as a barrel cart or for hauling fruit, vegetables, wood, garden truck, grain, leaves, cut grass, trash, ensilage, fertilizer, barrels, kegs, boxes, packages, etc., about the place. The best all-around cart. Strong and well made. Iron wheels, 36 inches high; 1¼-inch tire; frame all steel; platform 28x32 inches square; side boards 15 inches high; box of hard wood. Fills the want for a two-wheel cart better than any other invention. Its usefulness is unlimited and is not confined to one special purpose. The detachable box increases its utility. Price: No. 1, 1¼-inch tire, \$10.50; 3-inch tire, \$12.25; No. 2, with hard wood box 1¼-inch tire, \$12.00; 3-inch tire, \$14.50.



No. 2.



No. 1, Without Box.

Bee Supplies

Our stocks of bee supplies are very large and up-to-date. We are Western agents for A. I. Root's Hives and supplies. Without a doubt we handle more Bee Supplies than any other company west of the Rocky Mountains. The line of supplies we are offering is especially adapted to profitable bee keeping on the Pacific Coast. If you want some supplies or information not found on the following pages, do not hesitate to write us for special Bee Supply Catalog, which we gladly send on request.

DOVETAILED HIVES AND FIXTURES.

The Dovetailed Hive is now the leading hive, as it contains many of the most desirable features for the rapid and profitable handling of bees, and they are the cheapest and best hives manufactured.

We sell four grades, Root's, P. S. Co.'s Pine, P. S. Co.'s Cedar and P. S. Co.'s Western Pine; see this and following page.

Portland Seed Co.'s Dovetailed Pine Hives

This hive is similar to the Root Dovetailed Hive, except that it is made from a little different kind of Eastern Pine, but is first-class.

DESCRIPTION AND PRICES. (Order by No.)

Five Hives at Same Rate as Ten.

No. 1 Dovetailed Hive (complete with 1 super), consists of 1 bottom board, 1 body, 1 super, 1 cover, 8 Hoffman brood frames, 1 division board, 2 tightening springs for super, 6 section holders, 6 slotted separators, 24 sections and foundation starters for frames and sections and nails.

Nailed, \$2.30 each; per 10 K. D. flat, \$20.00.

No. 2 Dovetailed Hive is the same as No. 1, less sections and foundation starters.

Nailed, \$2.00 each; per 10 K. D. flat, \$17.00.

No. 3 Dovetailed Hive is the same as No. 1, except that it has two supers instead of one.

Nailed, \$2.90 each; per 10 K. D. flat, \$25.50.

No. 4 Dovetailed Hive is the same as No. 3, less sections and foundation starters.

Nailed, \$2.35 each; per 10 K. D. flat, \$20.50.

No. 10 Dovetailed Hive (complete two-story for extracting), consists of 1 bottom board, 2 bodies, 1 cover, 16 Hoffman brood frames, 2 division boards and nails.

Nailed, \$2.35 each; per 10 K. D. flat, \$20.50.

We advise the use of the above combinations, but if you want other sections or separators, make note in your order.

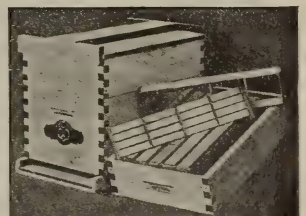
P. S. Co.'s Dovetailed Western Pine Hives

This hive, which we are offering for the first time this season, is really the best value we have ever had. It is standard size and well and carefully made of first-class lumber. The inside fixtures are just the same as in our regular pine hives, and the sections supplied are of the best grade of white Eastern basswood. For general description of the different numbers, see corresponding numbers and descriptions above.

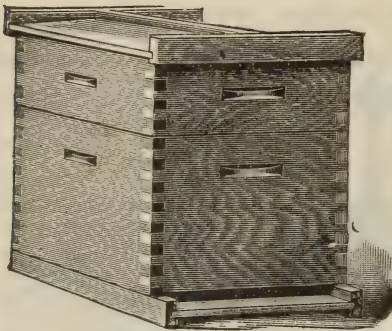
PRICES.

	Each. Nailed.	K. D.—Packed.	Weight.
No. 1-8	\$2.00	5 10	of 10
No. 2-8	1.75	\$8.75 \$17.00	280
		7.50 14.50	260

Description for numbers same as above.



Portland Seed Co's



P. S. Co.'s Dovetailed Cedar.

Dovetailed Western Cedar Hives

These cedar hives are made especially for our Western trade. In construction, they are the same as our pine hives, the only difference being that they are made of superior quality of cedar, the best and most lasting of wood for our Western climate. The sections and separators used in the supers are the regular No. 1 Eastern stock. Price and quality considered, these hives are the best bargains we have to offer.

PRICES:

	Each.	K. D.—Packed.		Weight.
	Nailed	5	10	of 10
No. 1-8	\$2.00	\$9.00	\$17.75	275
No. 1-10	2.20	10.25	20.00	310
No. 2-8	1.75	8.80	15.50	250
No. 2-10	1.90	8.65	17.00	285
No. 10-8	2.15	9.40	18.50	300

For descriptions of numbers see those given for our pine hives on preceding page.

A. I. Root's Dovetailed Eastern Pine Hives

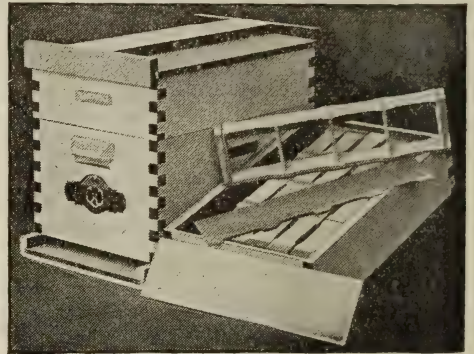
ROOT'S HIVE COMBINATIONS AND HOW TO UNDERSTAND THEM.

To accommodate various localities and beekeepers of different preferences, we have a large number of different combinations, and each combination is indicated by a series of letters and figures. A glance at the following table, showing the meaning of each letter or figure in alphabetical and numerical order, will make all plain:

- A Danzebaker bottom.
- E Excelsior cover.
- G The Gable cover.
- I Super for Ideal plain sections, 3½x5.
- M Super, 4x5 plain sections for Danzebaker hive.
- P Super equipped for plain 4¼ sections.
- S Super for 4¼ bee way sections.
- 2 Super with section holders, separators or fences, but no sections or foundations.
- 4 Super with section holders, separators or fences, sections and foundation starters.
- 5 Hive body or brood chamber, with frames and division board, but no starters.
- 6 Hive body or brood chamber with frames, division board and foundation starters.
- 8 Indicates hive with 8 brood frames.
- 10. Indicates hive with 10 brood frames.

When the figures are doubled it indicates that two of the articles are called for. For instance, 2-2P means two supers with plain section holders and fences.

If you desire a Danzebaker bottom board, Excelsior cover, 8-frame, dovetailed hive with frames, foundation and super with section holders, 4¼ plain



DOVETAILED HIVE, AE64P-8.

sections, fences and foundation, the number would stand thus: AE64P-8.

If you wish two supers in place of the one, you would add another figure 4, and the whole would read for 8-frame hive, AE644P-8; or, if you wanted this same combination without foundation or sections, the designation would be, AE522P-8.

NOTE.—We can furnish the Danzebaker Hive when requested, but as yet it has not become very popular here. More information on request.

Price List of Root's Dovetailed Pine Hive—Different Combinations

Price List of Root's Dovetailed Pine Hive—Different Combinations	Each Nail d	K. D. in Flat		Wgt. of 10
		5	10	
HIVES.				
No. 1 (A-E or A-G, 6-4, S or P), 8-frame body and 1 super, complete with starters	\$2.50	\$10.75	\$21.00	280
No. 1 (A-E or A-G, 6-4, S or P), 10-frame body and 1 super, complete with starters	2.70	11.75	23.00	320
No. 2 (A-E or A-G, 5-2, S or P), 8-frame body and 1 super, complete, less sections and starters	2.20	9.25	18.00	260
No. 2 (A-E or A-G, 5-2, S or P), 10-frame body and 1 super, complete, less sections and starters	2.40	10.25	20.00	300
No. 3 (A-E or A-G, 6-4-4, S or P), 8-frame body and 2 supers, all complete	3.20	13.75	27.00	350
No. 4 (A-E or A-G, 5-2-2, S or P), 8-frame body and 2 supers, all complete, less sections and starters	2.70	11.00	21.50	320
A-E or A-G, 6, 8-frame body only, with frames, division board and starters.	1.70	7.50	14.50	195
A-E or A-G, 5, 8-frame body only, with frames, division board, no starters.	1.65	7.00	13.50	190
No. 10 (A-E or A-G, 5-5), 8-frame body, two-story, for extracting	2.50	10.90	21.50	320
HIVE BOTTOM.				
A-Danzebaker bottom-8	.30	1.45	2.75	40
HIVE COVERS.				
E-Excelsior or G-Gable cover-8	.35	1.70	3.35	40
HIVE BODIES (Brood Chamber)				
Empty body for 8 frames, 9½ inches deep, with tin rabbets	.60	2.50	4.90	80
5-body-8, with frames and division board	.95	4.25	8.30	130
6-body-8, with frames, division board and starters	1.05	4.75	9.20	135
SUPERS.				
No. 1 (4 P, S, or I), 8, all complete with starters	.80	3.70	7.10	75
No. 1 (4 P, S, or I), 10, all complete with starters	.90	4.30	8.10	100
No. 2 (2 P, S, or I), 8, all complete, less starters	.65	2.75	5.25	65
No. 2 (2 P, S, or I), 10, all complete, less starters	.70	3.15	6.00	80
No. 0 (Plain supers), with flat tin; empty	.35	1.55	2.95	40
DANZEBAKER HIVES.				
Danzebaker B-G or A-D, 6-4 M-10	2.85	13.00	25.00	330
Danzebaker B-G or A-D, 5-2 M-10	2.50	11.25	22.00	300
Danzebaker B-G or A-D, 5-10	1.80	7.75	15.00	200

NOTE.—D. Danzebaker cover. M. Danzebaker super.

Hive Fixtures and Miscellaneous Bee Supplies

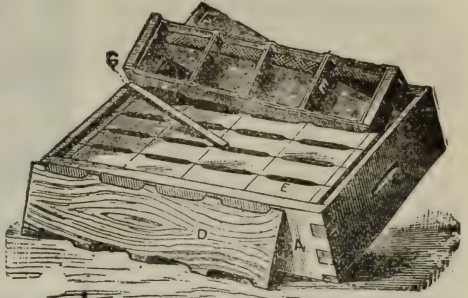
PORTLAND SEED CO.'S DOVETAILED SUPERS

Unless otherwise ordered, we always send S supers for the regular stock $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{7}{8}$ sections and wood separators. (See cut.)

PRICE OF P. S. CO.'S SUPERS.

	Nailed Packed in Flat. Wgt. of			
	1	5	10	10
No. 1 Pine	\$0.75	\$3.50	\$6.75	75
No. 1 Western Pine.....	.70	3.15	6.15	75
No. 1 Cedar .....	.70	3.35	6.50	70
No. 2 Pine .....	.60	2.60	5.00	65
No. 2 Western Pine.....	.60	2.65	5.00	65
No. 2 Cedar .....	.60	2.75	5.10	60
No. 8-8 Extracting Super....	.70	3.25	6.50	80
No. 0 Empty, Pine or Cedar.	.30	1.40	2.60	40

For description of super number, see corresponding number describing hives.



Super, Designated as 4-S-Complete.

SECTION HONEY BOXES.

Our No. 1 Sections are made of the choicest white bass-wood lumber, and are all perfect in finish and free from defects.

No. 1 Root's Best White—

Per 100, 70c.; 500, \$3.00; 1000, \$5.90

Portland Seed Co.'s No. 1.

Per 1000, \$5.75.

No. 2, Root's Second Grade—

Per 100, 65c.; 500, \$2.85; 1000, \$5.50.

Portland Seed Co.'s No. 2.

Per 1000, \$5.25.

If ordered by mail, allow 1c each for postage.

Order any of the following sizes wanted. We have $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{7}{8}$, generally used and always sent unless other-

wise ordered; $4\frac{1}{4} \times 4\frac{1}{4} \times 7$ to the foot; $4\frac{1}{4} \times 4\frac{1}{4} \times 15-16$; $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{3}{4}$.
The $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{2}$, $3\frac{5}{8} \times 5 \times 1\frac{1}{2}$, and $4 \times 5 \times 1\frac{3}{8}$ Danzebaker having no beeway are 25c M less.

SECTION HOLDERS.

Root's, $1\frac{7}{8} \times 18\frac{1}{2}$ inches, slotted....	Per 100, \$2.40
Western, $7\frac{7}{8} \times 18\frac{1}{2}$ inches, slotted..	Per 100, 2.15
Roots, $1\frac{1}{2} \times 17\frac{1}{2}$ inches, plain.....	Per 100, 2.00
Danzebaker, reversible.....	Per 100, 3.00
Bottoms only—	
$1\frac{7}{8}$ inches wide, slotted.....	Per 100, 1.25

SEPARATORS.

Slotted wood, $4\frac{1}{2} \times 18$	Per 100, \$1.00
Slotted wood, P. S. Co.'s.....	Per 100, .75
Plain separators.....	Per 100, .70
Fence, P or I.....	Per 100, 2.00
Fence, Danzebaker M.....	Per 100, 2.20

IMPROVED HOFFMAN FRAMES.

Improved F. F.....	Per 10, 35c.; 100, \$3.00
Western.....	Per 10, 30c.; 100, 2.75
Half Hoffman.....	Per 10, 30c.; 100, 2.50
Danz. Reversible.....	Per 10, 35c.; 100, 3.00

HIVE PARTS.

Division Boards.....	Each, 10c.; 10 for 90c.
Followers and Wedge.....	Each, 5c.; 10 for 35c.
Tightening Spring.....	Each, 1c.; 10 for 8c.

PORTER BEE ESCAPE.

Great labor saver. Price, 20c., postpaid. Mounted, each, 40c. (cannot mail).

PORTER HONEY HOUSE ESCAPE.

No extracting room will be complete without one or more of them. Each, 25c., postpaid.

ALLEY'S DRONE AND QUEEN TRAP.

A non-swarmer device. Each, 50c.; by mail, 65c.

FEEDERS.

Grays. This is designed to be placed tight up against the entrance. Price, 20c.; by mail, 35c.
Page. Best feeder for feeding over the brood nest. Each, complete, 30c.; by mail, 55c.
Simplicity. Each, 10c.; by mail, 15c.
Miller's. Sets on a hive like a super; holds about 25 lbs. of syrup.
Nailed up, complete, 35c.; in flat, 30c.
Boardman's. Price, 30c.; without jar, 20c.
Division Board Feeders. Each, nailed, 30c.

FREE

We will gladly mail our complete illustrated and Descriptive Bee Supply Catalog if you wish it. We have plenty, so don't be backward.

COMB FOUNDATIONS.

Packed in 1, 2, 3, and 5-pound boxes.

GRADE	Size of Sheets	No. per lb.	In Lots of		
			1 lb.	5 lbs.	10 lbs.
Light Standard Brood.....	$7\frac{3}{4} \times 16\frac{3}{8}$	7	\$0.59	\$0.57	\$0.55
Extra Light Brood.....	$7\frac{3}{4} \times 16\frac{3}{8}$	9	.61	.59	.57
Light Section.....	$3\frac{7}{8} \times 15\frac{1}{2}$	28	.66	.64	.62
Extra Light Section.....	$3\frac{7}{8} \times 15\frac{1}{2}$	30	.69	.67	.65

HONEY SHIPPING CASES.

		Nailed, each. Flat. 10.	
		12-lb. Shipping Cases.....	\$0.20 \$1.50
24-lb. Shipping Cases.....			2.25
24-lb. Western.....			2.10
24-lb. for $3\frac{5}{8} \times 5$ Sections.....			2.25
32-lb. for $1\frac{1}{2}$ -inch Sections.....			2.25
24-lb. for Danzebaker Sections....			2.25

FOUNDATION FASTENERS.

Parker's. Well worth the price. Price, 35c.; by mail, 50c.
Daisy Foundation Fastener. Will put starters in better and faster than any machine before introduced.
Price, without lamp, \$1.00; with lamp, \$1.25.
Van Deusen Wax Tube Fastener.
Price, 20c.; by mail, 25c.

WIRE IMBEDDERS.

The Easterday. Price, by mail, 25c.
Spur Wire Imbedder. Teeth set so as to straddle the wire while imbedding it. Price, by mail, 20c.

DAISY FOUNDATION ROLLER.

Used for fastening brood foundation to the top bar in the brood frames. Price, by mail, 20c.

WAX EXTRACTORS.

Doolittle Solar Wax Extractor. With this the sun supplies the heat. Price, \$4.50; weight, 30 lbs.
Root's German Wax Extractor. Price, \$13.25.
Swiss Wax Extractor. Comb is put in wire basket inside of can and set over hot water. Simple and good.
Price, \$3.75; with steam generator, \$4.75.

HONEY EXTRACTORS.

Novice Extractor, No. 5. For any frames not over $9\frac{1}{2} \times 18\frac{1}{2}$ inches. Price, \$10.50.
Cowan Extractor. The best machine when rapid work is required.
No. 15. Cowan two-frame..... Price, \$13.50
No. 25. Cowan four-frame..... Price, \$24.00

SMOKERS.

(See cut.)

Every owner of a hive of bees should have a smoker. A few blasts of smoke will quiet the bees so that they can be handled with safety. (See cut of the leading kinds.)

Clark's Cold Blast. Probably the most popular smoker in use today.
Price, 60c; by mail, 75c.

Improved Cornell. Makes a good strong blast. Standard size, 3/4-inch, \$1.00; by mail, \$1.25; Standard Copper, \$1.35; by mail, \$1.60; Junior, 2 1/2-inch, 90c.; by mail, \$1.10.

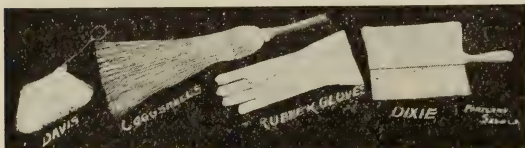
Vesuvius. A hot-blast, breech-loading smoker.
Price, \$1.25; by mail, \$1.50.

Crane. Similar to the Bingham, but somewhat heavier.
Price, \$1.35; by mail, \$1.65.

Danz. 20th Century. Combined hot and cold blast.
Price, \$1.35; postpaid, \$1.60.

Bingham. This is strong, well made. The "Conqueror" and "Doctor" not excelled for use in large apiaries.

	Each.	By mail.
Bingham Conqueror.....	\$1.00	\$1.25
Bingham Little Wonder.....	.60	.75
Bingham Doctor.....	1.25	1.55
Bingham Large.....	.90	1.10
Bingham, Engine.....	1.60	1.85

**BEE BRUSHES.**

Davis' (See cut).....Price, 20c.; by mail, 23c.
Coggsall's (See cut).....Price, 20c.; by mail, 25c.
Dixie (See cut).....Price, 20c.; by mail, 25c.

GLOVES, RUBBER.

Ladies', sizes 7, 8, 9. Price, \$1.20; by mail, \$1.30.
Men's, sizes 10, 11, 12. Price, \$1.25; by mail, \$1.35.
Men's Half Long, sizes 13, 14, 15.
Price, \$1.50; by mail, \$1.60.
Men's Half Long, heavy, sizes, 13, 14, 15.
Price, \$1.75; by mail, \$1.85.

Note—To insure getting proper size, mark outline of hand on sheet of paper.

HONEY KNIVES.

Novice".....Price, 85c.; by mail, 95c.
Quinby.....Price, \$1.00; by mail, \$1.10
Abbott.....Price, 80c.; by mail, 90c.
15c. Honey Knife. Broad, square blade.
By mail, 20c.

QUEEN BEES AND COLONIES.

We are in position to furnish full-blooded Italian queens and full colonies. It takes about five days to get these in from the apiary, so do not expect them by return mail.



Untested Queen. April, \$1.75; May, June, July, August, September, \$1.50.

Tested Queen. April, May, June, July, August, September, \$2.50.

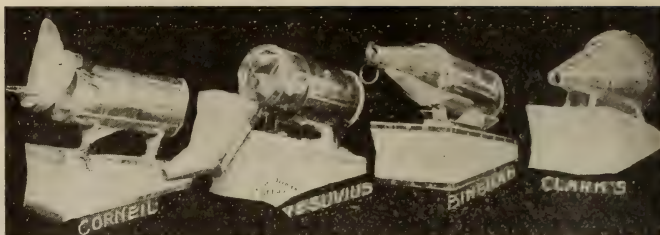
Selected Tested Queen. April, \$3.50; May or June, \$3.00; July, \$2.50; August or September, \$3.00.

Full Colony, in an 8-frame hive.
Price, \$8.00.

CAGES FOR QUEENS.

Benton. For mailing and introducing, Each, no candy, 5c.; by mail, 7c.; with candy, each, 10c. by mail.

The Peet. Each, 10c.; by mail, 12c.

**BEE VEILS.**

Globe. Has five bars that keep veil away from head.
Price, \$1.10, postpaid.

Hat Veils. These veils have a rubber band round the top so as to fit the hat snugly.

No. 1 Veil, made entirely of silk tulle.
80c., postpaid.

No. 2 Veil, cotton tulle, silk tulle face.
50c, postpaid.

No. 3 Veil, cotton tulle throughout. 40c, postpaid.

PERFORATED ZINC.

Used for making honey boards; also entrance guards, queen and drone traps, etc.

Zinc strips, one row holes, 3/4x18 to 19 1/2 inches.

Each, 2c.; per 100, \$1.50; each 3c, postpaid.

Perforated sheets.

Each, 28x96, \$1.75; 36x96, \$2.25. Less than a sheet, per square foot, 10c.; by mail, 10c. per foot extra.

HONEY BOARDS.

Used to confine the queen to the brood chamber. Nos. 1 and 11 are unbound zinc. Nos. 12 and 13 are wood-bound, with a bee-space one side.

Description.	Size, inches.	Prices.	
		1	10
No. 11—8-frame, unbound.....	12x19 1/4	\$0.25	\$2.00
No. 1—10-frame, unbound.....	14x19 1/4	.25	2.10
No. 13—8-frame, wood bound.....	13 7/8x20	.30	2.50
No. 12—10-frame, wood bound.....	16 x20	.30	2.60

BEE ENTRANCE GUARDS.

Root's or Tinker's. These are to admit workers, but exclude drones.
Price, 10c.; by mail, 15c.

MANUM'S SWARMING DEVICE.

A most complete swarming device. The swarmer is light, conveniently carried, and will reach a swarm 20 feet from the ground.

Complete, \$1.60; wire basket with bail, no pole, \$1.20.

No. 30 TINNED WIRE.

	Each.	Doz.
3/4-ounce spools.....	\$0.08	\$0.40
1/4-pound spools.....	.15	1.30
1/2-pound spools.....	.25	2.00
1-pound spools.....	.35	3.25
5-pound coils.....	1.25	....

By mail, 1c per ounce extra.

MISCELLANEOUS SUPPLIES.

Queen Cell Protectors.

Doolittle.....Each, 5c.; by mail, 7c.

West's Cell Protector....10 for 50c.; by mail, 60c.

West's Spiral Cage Feeder.
10 for 80c.; by mail, 90c.

Hive Clamp. Per pair, 5c.; 10 pairs, 40c.; by mail, 75c.; without screws, 10 pairs, 35c.; mail, 65c.

Hill's Devices. For covering frames in winter.
10 for 60c.; by mail, \$1.00.

Hubbard's Section Press. Price, \$2.75.

Hive Tent. Price, \$2.00; weight, 6 lbs.

Books for Bee Keepers. See page 48.

Tin Rabbets. Price, 12 to 14 in., \$1.25 per 100.
Per 100.

T-Tins—14 inches and under.....\$1.25

T-Tins—Over 14 inches and up to 16 in.....1.40

Flat Tins—14 inches and under......50

Flat Tins—Over 14 in. and up to 16 in......75

REMEMBER

Our Complete Bee Supply Catalog is Free.

If you have Beeswax to sell, send it to us.

We will take it in trade, or pay you cash.

Portland Seed Co.'s Up-to-date Poultry Supplies

INCUBATORS



Buy a New Model

CORNELL

The Incubator of Quality

Awarded a GOLD MEDAL.—Highest award at Lewis and Clark Exposition for BEST HATCH.

These machines are built for business and will give perfect results to the market poultryman who is in the business for a livelihood, as well as to the amateur breeder who is in it for pleasure.

They embody the progress achieved in artificial incubation during the past decade, supplemented by the Cornell patented features. They are hand-some machines and are as good as they look.

The Cornell Incubator has proved itself, in actual operation, the most successful hatcher on the market. That's why we hold the Pacific Coast Agency.

Valuable Features of the Latest Machines

Outer case, made of the best grade of Virginia Chestnut, as it holds a glued joint better than any other lumber and is not affected by humidity. Every piece is thoroughly seasoned and kiln dried and every joint is carefully fitted, mortised, tenoned and glued, making it impossible for the Cornell to open a joint or spring a panel in a damp location or tropical clime. **Patent Table Top** completely protects the regulator arm and sensitive mechanism from all outside interference. **Piano Fitted Legs** are hand turned and readily adjusted without tools or trouble.

Each Cornell machine is given personal attention, and when it leaves the finishing room it is by far the handsomest, most durable incubator on the market.

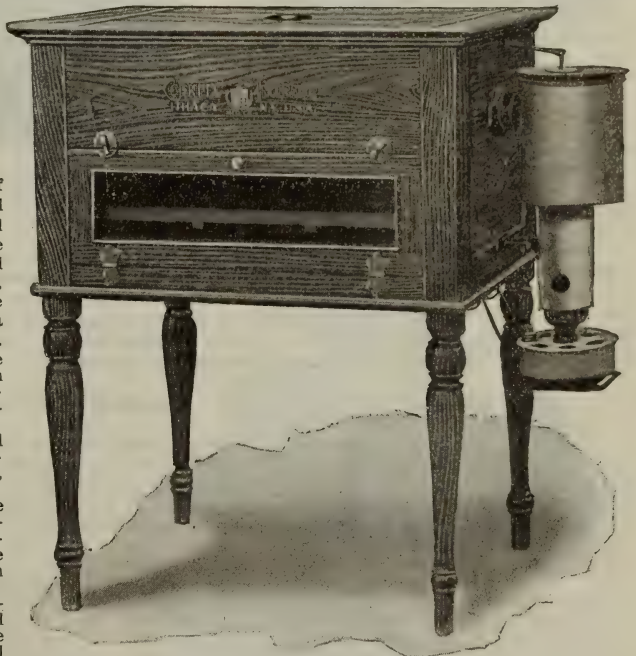
Construction. The Cornell has double walls with two-inch air space. Egg chamber is perfectly insulated from the variation of the outer atmosphere and can be readily heated and regulated under even zero temperature.

Regulator. The Cornell new-style quadruple-action thermostat has by repeated tests proved itself twice as active as the next best regulator on the market, and easily ten times as active as most others.

We have operated these machines and know from experience that they will do just what the manufacturers claim. In all the years we have sold incubators we have never seen anything work quite so perfectly or regulate so satisfactorily as the new model Cornell. The new regulator is a winner.

New Style Heater is properly constructed, of heavy galvanized iron with cast iron top and a heavy asbestos jacket, making it absolutely smoke and fire proof. **New Lamp** is provided with a double top containing felt moisture pads which automatically supply moisture into the egg chamber whenever necessary. In fact, the moisture lamp occupies the same relative position to the eggs as the warm, moist body of the hen.

Circulation. The egg-chamber is continually supplied with pure, warm, fresh humid air, continuously displacing the used air, which carries away with it every vestige of the waste gases. This perfect system of circulation, connected inseparably



NO. 1 CORNELL INCUBATOR.

ably with the moisture system, precludes the possibility of dead chicks in the shell in eggs possessed of a strong germ. (The new model Cornell is the only incubator which embodies the balance system of construction, heating, regulation, ventilation, circulation and supplied moisture.) While each individual part of the system is perfect in itself for the specific purpose intended, it is essential that every part be inseparably connected, one with the other, in order to force the whole to perform mechanically-perfectly the act of incubation. We do not evade, but solve squarely and successfully, the "troublesome moisture question" conveniently overlooked in the literature and construction of "non-moisture incubators." All the important points we have explained so briefly above are fully expounded in the large Cornell Catalog, copy of which will be mailed free upon request. We cannot go into detail in the limited space in this book.

Pacific Coast Prices on Cornell Incubators

No. 0. STANDARD CORNELL,	64 Hen Eggs,	52 Duck Eggs;	weight, crated, 125 pounds....	Price, \$17.00
No. 1. STANDARD CORNELL,	128 Hen Eggs,	105 Duck Eggs;	weight, crated, 150 pounds....	Price, 24.00
No. 2. STANDARD CORNELL,	232 Hen Eggs,	200 Duck Eggs;	weight, crated, 220 pounds....	Price, 34.00
No. 3. STANDARD CORNELL,	364 Hen Eggs,	300 Duck Eggs;	weight, crated, 245 pounds....	Price, 42.00

Incubators—Continued

Peep o' Day Incubators

The heater, regulator, thermometer, egg tray, nursery, etc., is just the same in this incubator as in the Cornell; in fact, this is the Pan-American model of the Cornell Incubator.

The greatest difference in these machines is in the construction and finish. They do not have a table top or compound door, or piano fitting legs, but we would like to impress upon your mind the fact that the Peep o' Day Incubators are built and finished in a much superior manner to most other incubators, especially those that sell at about the same price. The regulation, heating and ventilation are perfect.

We have sold many incubators, but, everything considered, we have never had such good value to offer as these Peep o' Day Incubators. They are equal to any incubator manufactured with the exception of the latest improved cabinet-finished Cornell. We have tested these machines, here in our store, under trying conditions, and they have proved a great success, and we can safely recommend them as the best low-priced incubator on the market.

- No. 1. 108-Egg PEEP O' DAY, weight, crated, 130 pounds Price, \$16.00
 No. 2. 216-Egg PEEP O' DAY, weight, crated, 160 pounds Price, \$22.50

At above prices, machines are securely packed and crated and we include an egg tester and an illustrated and complete booklet telling how to set up and operate these incubators.

We are Pacific Coast Agents for the Cornell Incubator Company and buy in carload lots. Our prices are from \$1.00 to \$3.00 less than you could buy for direct from the factory, say nothing of the trouble and delay in getting a machine or two out here by local freight. We can make prompt shipments. Handsome Catalog issued by the Cornell Company on request.

Good Indorsements



Portland Seed Co.

Gentlemen: The new model Cornell Incubator is a grand success. It hatches the strongest and best chicks and a larger per cent. than any other incubator I know of. The new regulator is perfect. I have no trouble in keeping an even temperature in the egg chamber and look at it twice only a day, morning and evening. Have had experience with many other makes and know of none equal to the handsomely finished, well built Cornell. Your truly,
 C. O. WILLIAMS.

Hillsdale, Oregon, April 3, 1906.

Portland Seed Co.

Gentlemen: I had had no experience with incubators when I bought a Cornell, and I wish to say that it is simply perfect. My hatches have averaged 90 per cent. of the fertile eggs.

I must also add a good word for the Peep o' Day Brooder. Have lost only two chicks out of 350 placed in brooder. I can recommend the Cornell "Chick Machinery" to any person interested. Yours truly,
 M. J. LEEZER.

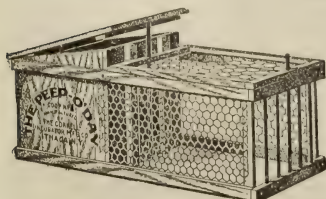
Portsmouth, Oregon, April 3, 1906.

Hillsdale, Oregon, March 27, 1906.

Gentlemen: The Cornell Incubator is certainly a winner and is the best hatcher on the market. Simple in construction, easily regulated, and sure in its work. The chicks are regular little giants—so strong and healthy. One can easily figure on 90 per cent. from good eggs. Yours truly,
 CHAS. LEINER.

We have reports from hundreds of operators. Free on request.

Peep o' Day Coop No. 1



This little coop and run combined has come to be most popular. Where the hen is used for hatching and brooding purposes, it is most practical. The hen is set in the coop and may exercise in the run. The food and water are placed outside and are reached by the hen through the opening in the front. After the chicks are hatched, they may run out while the hen is confined to the run. Gives perfect protection against storm and animals. Dimensions: Coop, 18 inches square by 18 inches high; run, 18 inches by 24 inches. Floor, cover and top of run are removable. They are made of white pine and neatly painted. Coop is put together with twelve screws. Weight, about 30 lbs. Price, \$2.75.

FREE POULTRY FOOD.

Those that read this Catalog carefully will get poultry foods free with other goods—get busy—see inside front cover.

CHICKEN LIFE INSURANCE

at \$3.00 per 100 pounds. You buy it in sacks. Ask for Portland Seed Co.'s "Diamond Brand" Chick Feed. Feed it and your chickens will live and grow. See page 98.

Peep o' Day Brooders

Each year brings a greater demand for the famous Peep o' Day Brooders, for they are properly constructed, well made, safe and satisfactory in every way. They are the only dependable brooders we know of today. Let us name a few of their superior points: Perfect ventilation, easily controlled temperature, distribution of heat, freedom from drafts, economy of oil, construction, and large size, cast iron lamp (see cut), and new style burner (no chimney, no smoke, no danger of explosion.) We have seen and used all the leading makes of brooders, and, everything considered, we can recommend the Peep o' Day as being ahead of any other make on the market. We know we have them for sale, but that is our honest opinion of them, just the same. We are sure that they will please you. Complete catalog on request.

Leading poultrymen all over the United States admit that the Peep o' Day method of brooding is superior to that of the mother hen.

No. 1 PEEP O' DAY BROODER.

One of the best all-around Brooders for both in and out of doors. Absolutely storm proof; plenty of light and ventilation. As soon as the chicks can do without heat, the entire inside of the brooder can be removed, leaving a perfect roosting coop. Floor, 3 feet square; weight, 100 lbs.; capacity, 75 to 100 chicks.

Price, \$12.50.

No. 2 BROODER.

An out-door brooder, though, of course, any brooder can be used inside, and should be until the snow is gone. Having the front or sun-parlor addition makes it very desirable, as the chicks can be kept in the brooder until the dew is off the ground, or on stormy days. Absolutely storm and wind proof. Floor, 5x3 feet; weight, 120 lbs.; capacity, 100 to 150 chicks.

Price, \$14.50.

No. 3 BROODER.

This Brooder is just like No. 2 in all respects, except that it is smaller, being four feet long by 26 inches wide. Many people prefer to keep a small number of chicks in a brooder.

Price, \$10.50.

No. 4 BROODER.

We recommend this Brooder for general use in brooder houses or under cover of any kind, and sell more of this style than any other, as our poultry raisers seem to prefer to have their brooders inside, especially in raising early chicks, before the weather is settled. Floor, 3 feet square; weight, 100 lbs.; capacity, 100 to 150 chicks.

Price, \$11.50.

No. 5 PEEP O' DAY BROODER.

Used to advantage in brooder houses that are built so as to keep a comparatively even temperature or that are equipped with a heater of some kind. In raising young ducks, these brooders are especially satisfactory. With the exception of the wire top, the construction is the same as No. 4. Same size, weight 60 lbs.; capacity, 75 to 100 chicks.

Price, \$8.50; without wire top, \$8.00.

No. 0 JR. PEEP O' DAY BROODER.

For Indoor or Outdoor Use. Best Cheap Brooder on the Market.

This brooder is not on the same principles as the rest of the Peep o' Days, yet gives practically the same results. The hover hangs in the air with absolutely nothing under it for the chicks to crowd against. Cold air is drawn from the outside into the heater, and when warmed passes in under the hover. This gives a constant flow of pure, warm air under the hover without cold draughts, so that the chicks in the center of the hover receive as much pure air as those at the outer edges. Floor, 26x48 inches; weight, 75 lbs.; capacity, 75 to 100 chicks.

Price, \$8.00.

No. 6 PEEP O' DAY BROODER.

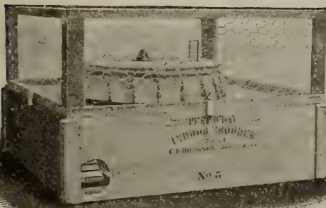
Larger than No. 2 and has several new features. Hover can be raised as chicks grow larger, equipped with a disc regulator, etc.; weight, 200 lbs.

Price, \$18.00.

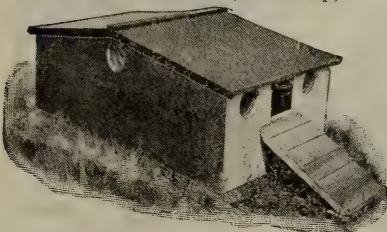
No. 7 PEEP O' DAY BROODER.

Same as No. 6 excepting that it has no regulator. Weight, 200 lbs.

Price, \$16.50.



NO. 5 INDOOR (Wire Top).



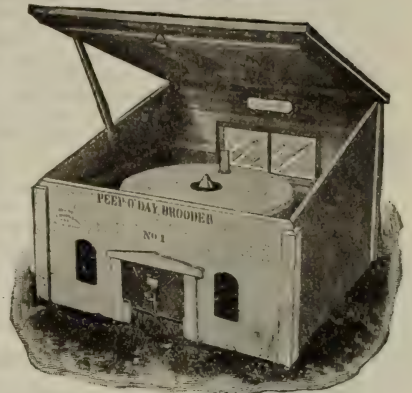
NO. 0 JR. OUTDOOR.



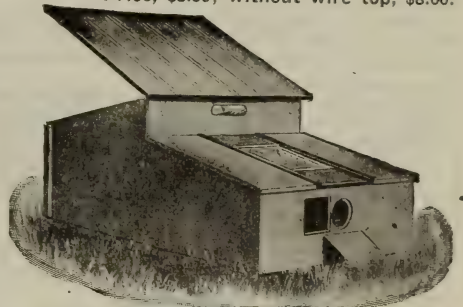
NO. 4 PEEP O' DAY BROODER.



BROODER LAMP.
COMPLETE.



REAR VIEW NO. 1 BROODER.
Showing Lamp and Hover.



NO. 2 OUTLOOK.

Complete
Catalog
on request.

Mann's Green Bone Cutters—Still in the Lead

OTHER MAKES COME AND GO, BUT THE MANN RETAINS ITS PLACE.

If you want a new machine—one that has every late improvement, one that is really "ahead of the times"—buy a Mann's. It does the work with the greatest ease. It makes every hen a paying hen. Try it and see.

The Mann's Green Bone Cutter is offered to the poultry world on a warranty to produce a perfectly edible poultry food, with no waste, from any lot of butcher's bones with less labor and less annoyance than any other bone cutter.

We send the Mann's to any responsible poultryman with the understanding if you are not satisfied that it meets every claim we make for it, notify us and we will give you instructions to return the machine and will, upon receipt of same, refund purchase price. Could you ask more?

The Mann's is the only machine which has a self-governing feed, producing uniform pressure against the knife, whether the bone be hard or soft. You set the machine to suit your strength, and it never requires more power than you set it for.

The Mann's cuts any bone and all adhering meat or gristle, and never clogs or stalls.

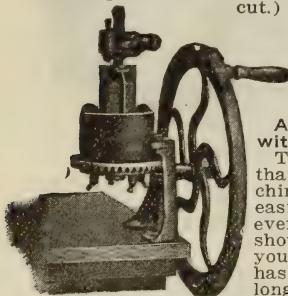
The Mann's is, in short, an ideal bone cutter. We not only claim that it is a better machine than that produced by any other manufacturer, but we give you an opportunity to prove it.

MANN'S No. 5.

Has four knives, large, solid cylinder, and has the latest patent, automatic governing spring feed, which makes it one of the best low-priced bone cutters ever offered. We can furnish with crank, balance wheel, or mounted on iron stand. (See cut.)

MANN'S No. 7.

The new No. 7 is mounted on strong iron stand and has patent, automatic governing spring feed. Large, open-hinged cylinder, giving instant access to all working parts, has six knives, rear guard, anti-clog device, heavy balance wheel and other improvements. (See cut.)



MANN'S NO. 5B.

Mann's Bone Cutters are never returned—they please the buyers.

No. 7½

Adapted to run either by hand or power without any change.

The particular advantage of the 7½ is that, while it is a complete power machine, it can be operated by hand just as easily as the No. 7. It is recommended, even if you have no power at present, for should you get power in the near future, you need be at no further expense. It has all the improvements. It meets a long-felt want.

No. 9 (See cut.)

About the same as No. 7, except that it has a larger cylinder and greater holding capacity, different design and larger table.

Portland Seed Co.

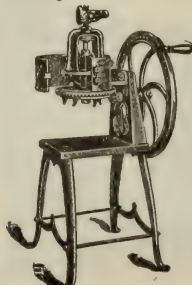
Gentlemen: I beg to acknowledge receipt of the knives for Mann's Bone Cutter, and to thank you for your prompt courtesy in attending to this matter. I am much pleased with the bone cutter, and shall take pleasure in recommending it and your firm to any prospective buyers. Yours very truly,

MRS. H. T. POINDEXTER,

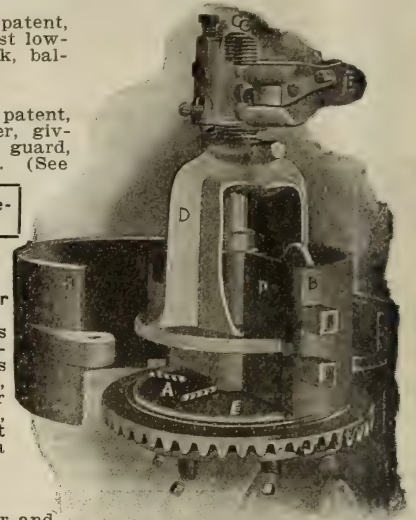
Dillon, Montana.



MANN'S NO. 7.



MANN'S NO. 9.



Mechanism of the Mann's, showing automatic force feed, cylinder parts, etc. Mann's catalog tells all about it.

Price List of Mann Bone Cutters.

New styles.	Price.	Weight.
No. 5 C (with crank handle).....	\$ 7.75	30
No. 5 B (with balance wheel).....	10.00	55
No. 5 B (M. B. W. and iron stand).....	13.00	80
No. 7 (B. W. and iron stand).....	15.00	107
No. 7½ (hand or power).....	21.00	150
No. 9 (B. W. and iron stand).....	22.00	163
No. 11 (power machine).....	30.00	215
No. 12 (power machine).....	35.00	260
No. 15 (power machine).....	67.50	420
No. 4 B M (B. W. and iron stand).....	14.00	110

No. 11 (See cut.)

Intended for large flocks, where the machine must be run by hand a portion of the time. The No. 11 is exactly the same as No. 9 with the power parts added. It has all the late improvements. Capacity, 100 pounds per hour.

No. 12—POWER.

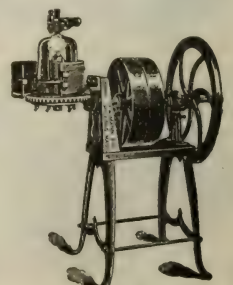
This machine deserves more than passing notice. It costs but \$4.00 more than the semi-power, or No. 11, yet is heavier, stronger, better and far more durable. It is strictly a power machine, and full of business from top to toe. Capacity, 120 to 150 pounds per hour. Horse power required, one to two. Just the machine for marketmen, extensive breeders, or any one who has large quantities of bone to cut.

If you want an old, reliable machine, one that has established a reputation—buy a Mann's.

MANN'S HANDSOME 40-PAGE CATALOG.

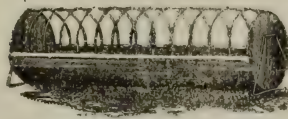
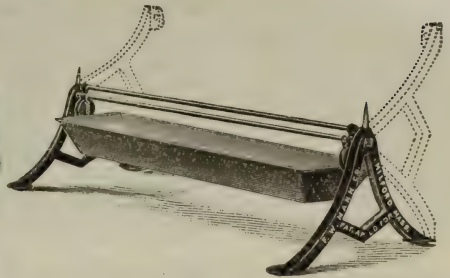
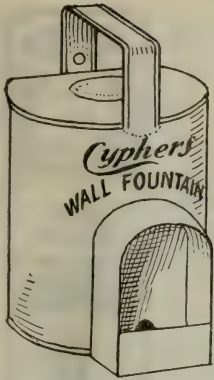
tells all about the different style green bone cutters, clover cutters, corn shellers, grit smashers, etc., and contains much valuable information.

Free on request.



MANN'S NO. 11.

Miscellaneous Poultry Supplies



MANN'S FEED TRAYS.

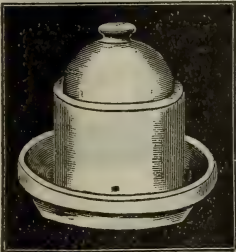
FEEDING TROUGH.

GALVANIZED WALL FOUNTAINS. (See cut.)

Something new and serviceable. To be hung on the wall or against an upright post, at any height. The hood over the trough protects the water from becoming soiled. Anyone can easily see the convenience of these. One gallon size. Each, 75c.

GALVANIZED IRON DRINKING FOUNTAINS. (See cut.)

Our Galvanized Iron Drinking Fountains embody every good feature of the down-to-date drinking fountains, and, we believe, are the best in use. They are easily filled, cleaned and kept clean. If placed in the shade in summer time, the water will keep nearly as cool as in an earthen vessel. They are much lighter than the earthenware fountains and are safer to ship. A dozen can be put in a compact package for shipment, as they nest together. We offer them very cheap.



STONE FOUNTAIN.

Our Illustrated and Descriptive Poultry Supply Catalog on request.

SANITARY STONE FOUNTAINS. (See cut.)

These are strong and well finished, made in two pieces and easily washed and kept clean. They probably keep the water cooler than the galvanized fountains, but are heavier to handle and more liable to break. Price, 1/2 gal., 35c.; 1 gal., 50c.

MANN'S SWINGING FEED TRAYS. (See cut.)

For water or feed. Fowls cannot scratch dirt into it, or feed out of it, nor roost on it; yet will not tip over or spill the food out. Price, 18 inch, \$1.00; 27 inch, \$1.25; 36 inch, \$1.50.

SANITARY SELF-FEEDING BOXES. (See cut.)

Made of heavy galvanized iron; soon pays for itself in preventing waste of feed. For keeping grit, shells and charcoal before the fowls at all times. Price, each, 60c.

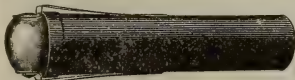
WIRE-COVERED FEEDING TROUGH. (See cut.)

Decidedly convenient for young chicks. (See cut.) Price, 35c.; by mail, 50c.

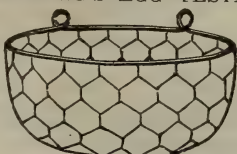
P. S. CO.'S SHIPPING COOPS.

All wood, neat, very light, but strong. Poultry raisers selling poultry at fancy prices should always use these coops.

	Each.	Six.
No. 1. 10x21x18.....	\$0.30	\$1.50
No. 2. 10x24x20.....	.40	2.00
No. 3. 20x24x20.....	.50	2.50



HARDING'S EGG TESTER.



WIRE NEST.



X-RAY TESTER



NEST EGG.



Small size	Each, 30c.; six, \$1.70
Medium size	Each, 40c.; six, 2.25
Large size	Each, 50c.; six, 2.75

RELIABLE FEED COOKER.

Holds 20 gallons; weight, 65 lbs.; length, 24 in. See Poultry Catalog for full description. Price, \$8.

WIRE HENS' NESTS. (See cut.)

Strongly made; very durable; fastens to the wall; no harbor for vermin. Price, each, 25c.; doz., \$2.50.

EGG TESTERS. (See cut.)

X-Ray. This Egg Tester is made to use on a lamp and will fit the ordinary No. 2 burner. By holding the egg up to the opening in the side, the inside of the egg and the development of the chick can be seen very plainly. Price, 50c., postpaid. Harding's Perfection. For sunlight. (See cut.) Price, 60c., postpaid.

CHINA NEST EGGS.

Best grade Opal Eggs. Price, 3 for 10c.; 12 for 35c.; 20c. per dozen extra for postage.

OVINAPTHOL LICE-KILLING NEST EGG

A combined nest egg and lice killer. By simply using it in the nests in the same manner as an ordinary nest egg is used, laying hens are cleared of lice and mites, and are able to occupy the nests with comfort. Do not accept worthless substitutes.

Price, each, 10c., postpaid; per doz., 75c.; postpaid, \$1.00.

PREMIUMS.

We offer you many good premiums; see inside front cover.

THIS IS
IT.
JUST WHAT
YOU WANT.



Poultry Supplies—Continued

LEG BANDS FOR POULTRY AND PIGEONS. (See cuts.)

Every chicken must have a leg band on before it can be entered in a poultry show. In ordering Leg Bands, be sure to state sizes wanted, or breed of fowls bands are to be used on, and number of males and females.

NOTE.—Initials or name and address stamped on the Eclipse, Smith or Double Clinch Band for 25c extra per 100 or less, but do not expect bands by return mail, as they must go to the factory to be stamped.

Climax. The "stay on" kind; very popular; rings made of spring brass wire; tags of aluminum. Prices, postpaid, 12 for 20c.; 25 for 40c.; 50 for 60c.; 100 for \$1.00.

Double Clinch. A new band; very safe; no exposed corners, ends or loops; has double fasteners. Prices, postpaid, 12 for 20c.; 25 for 35c.; 50 for 60c.; 100 for 85c.

Eclipse. Flat aluminum bands, no sharp corners or edges; easiest flat band to put on. Prices, postpaid, 12 for 20c.; 25 for 35c.; 50 for 60c.; 100 for 85c.

Smith Sealed. Of aluminum and so constructed that by simply crushing a soft rivet they are sealed on the bird's leg and must be destroyed to be removed. (See cut band sealed with letter R.

Prices, postpaid, 12 for 30c.; 25 for 50c.; 60 for \$1.00; 100 for \$1.50.

Sealing Tools. For sealing the bands. Similar to hand pliers.

Smith's plain jaw, 50c.; lettered jaw, 75c.; postage, 10c. extra.

THE RELIABLE POULTRY PUNCH. (See cut.)

For marking the web between the toes. The very best and handiest marker.

Postpaid, 35c.

CYPHER'S PERFECT MARKER.

A simple and perfect punch; is made especially for marking chicks. It makes a good, clear, clean cut.

Postpaid, 50c.

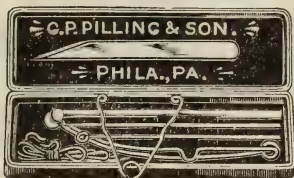
PILLING'S CAPONIZING TOOLS.

Complete outfit with instructions, cardboard box.

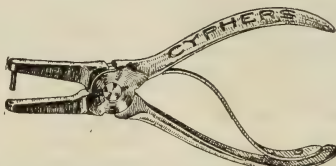
Postpaid, cardboard box, \$2.50.

"TRIUMPH" CAPONIZING SET.

Pronounced by experts to be the best set of tools on the market. Complete set and book of instructions, postpaid, wood box, plush lined, \$3.00; cardboard box, \$2.50.



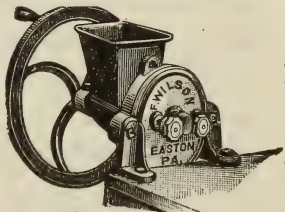
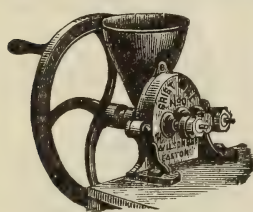
PILLING'S CAPONIZING TOOLS.



CYPHER'S POULTRY PUNCH



RELIABLE POULTRY PUNCH.



Wilson Feed Mill No. 0. Wilson Feed Mill No. 1.

ASPINWALL SPRAYER.

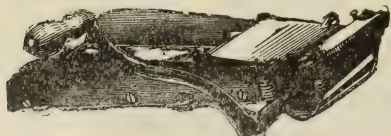
The best low-priced liquid sprayer made. (See cut, page 85.)

Price, 65c.; charges prepaid, 90c.

INSECT POWDER GUN.

There is no need to waste any powder if you use this small hand powder blower. Detachable bottom for filling. For use in applying insect powder of any kind on poultry, dogs or cats.

Price, each, small, 15c.; large, 30c., postpaid.



STEARNS CLOVER CUTTER.

THE WILSON DRY BONE MILL. (See cut.)

No. 1 is a practical mill, grinding all kinds of shell, crockery, grit, burnt or dry bone, feed, etc. Either coarse or fine. Weight, 33 pounds. Diameter of hand wheel, 20 inches.

Price, \$5.50.

No. 0 WILSON'S. (See cut.)

Especially made for grinding graham flour or cornmeal for table use. Can also be adjusted for cracking grain. Weight, 30 pounds.

Price, \$5.50.

MANN'S CAST IRON MORTAR.

For breaking glass, crockeryware, oyster shells or other dry substances for poultry. Weight, 33 pounds; height, 12 inches; 9 inches square; pestle, 4 feet long.

Price, \$3.50.

MANN'S CLOVER CUTTER. (See cut.)

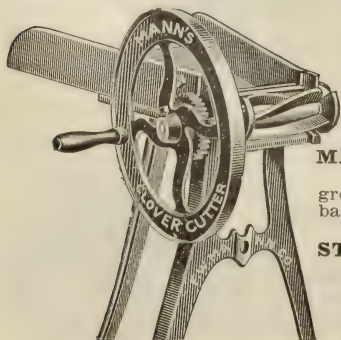
Made entirely of iron and steel. Cuts hay or clover, either dry or green, and more rapidly than any other make. Each revolution of the balance wheel produces twelve cuts.

Price, \$10.50; mounted on iron stand, \$12.00.

STEARNS CLOVER CUTTER. (See cut.)

Quite small, but worth the price. Not mounted.

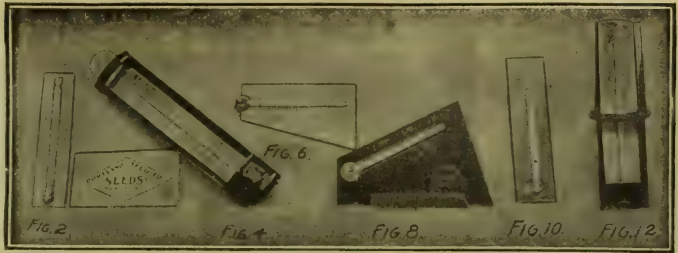
Price, \$3.00.



MANN'S CLOVER CUTTER.

Limited space in this catalog will not permit us to give complete description of all our poultry supplies, but we will gladly send our Complete and Illustrated Poultry Supply Catalog on request.

Our Complete Poultry Supply
Catalog free on request.



Oakes' Hydro Safety Lamp.



Ideal Egg Box.

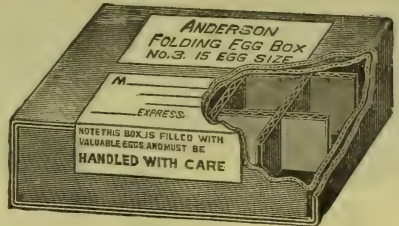
**THERMOMETERS.****FOR INCUBATORS (tested).**

Fig. 8—Cornell style	\$1.00
Fig. 6—P. S. Co.'s Metal Back .....	.75
Fig. 10—P. S. Co.'s Metal Back .....	.60

FOR BROODERS.

Fig. 12—Peep o' Day .....	.65
Fig. 2—P. S. Co.'s; for any style brooder .....	.50

FOR GENERAL USE.

Cabinet, 8 inch, wood back, nice finish .....	.40
Fig. 4—Household, 7 inch, black enamel tin case .....	.25

Set up ready to ship.

HYDRO SAFETY LAMP.

Oakes—Made especially for incubators and brooders; has a water jacket and is perfectly safe.

No. 1—Small size, $\frac{3}{4}$ -inch wick	\$1.00
No. 2—Medium size, 1-inch wick	1.50
No. 3—Large size, 1 $\frac{1}{2}$ -inch wick	1.75

ANDERSON FOLDING EGG BOXES.

Made of heavy corrugated paper. The greatest advantage in it is that they can be bought K. D. (in the flat), and the express or freight will be only about one-sixth of what it has been on the old style boxes. Only a few seconds work to set the box up, pack it with eggs, and address it. These boxes are light but very strong, being firmly braced, and will stand the weight of several hundred pounds without crushing.

No. 3—15-Egg Size, 15c. each, 6 for 80c.; dozen, \$1.50.
No. 4—30-Egg Size, 25c. each; 6 for \$1.25; dozen, \$2.25.
No. 5—50-Egg Size, 40c. each; 6 for \$2.25; dozen, \$4.00.

Sample box No. 3, postpaid, for 25c.

IDEAL PAPER EGG BOXES. (See cut.)

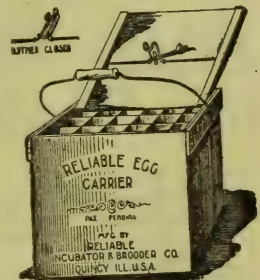
Intended for use in delivering eggs to private families. If you have a "select" egg trade you should use this box. Nicely printed with a blank space for your name and address. Printed to order in two M lots at no extra charge. They ship "knocked down," at very low rates. Prices: 1-dozen size, 25c. dozen; \$1.00 per 100; \$9.50 per 1000. Sample box by mail, 5c.

RELIABLE EGG CARRIERS. (See cut.)

Nicely painted; equipped with the very best fillers. Patent top and sling handle. Holds twelve dozen. Price, each, 75c.

ROOST HANGERS. (See cut.)

Fill the cup with lice killer or coal oil. Poultrymen should not be without them. Will keep the birds free from vermin. Price, 10c.; per dozen, \$1.00.



Egg Carriers.



Roost Hangers.

Freight Paid

The premiums we offer (see inside front cover) generally amount to as much as freight charges. In other words, you save your freight money.

WIRE NETTING FOR POULTRY RUNS AND TRELLISES, ETC.

No. 20 Wire, in rolls 150 feet long, in the following widths:

	12 in.	18 in.	24 in.	30 in.	36 in.	48 in.	60 in.	72 in.
2-inch mesh	\$0.95	\$1.40	\$1.80	\$2.25	\$2.70	\$3.60	\$4.40	\$5.25
1-inch mesh	2.15	3.20	4.10	5.15	6.00	8.00	9.85	11.65

Short lengths, 2-inch mesh, 1c. square foot; 1-inch mesh, 2 $\frac{1}{2}$ c. Prices subject to change without notice.**EXTRA PARTS AND SUPPLIES FOR INCUBATORS AND BROODERS.****BROODER PARTS.**

Burners, No. 1, special design	Postpaid, \$0.50
Burners, No. 2, special design	Postpaid, .60
Felt for Hover Curtains, extra wide, per yard	Postpaid, 1.00
Hover, complete	2.75
Hover only, with Felt Curtains .....	.75
Peep o' Day Brooder Lamps, complete, for all numbers except No. 0	2.50
Peep o' Day Brooder Lamp for No. 0 Jr.	2.00
Sheet Iron Heater with Stamped Dome	1.50
Thermometer (tested)	Postpaid, .65
Wicks	Postpaid, 3 for 10c; dozen, .25

INCUBATOR PARTS.

Burners, No. 0 or 1	Postpaid, \$0.50
Burners, No. 2 or 3	Postpaid, .60
Egg Tester	Postpaid, .50
Heater and Pipes, complete	5.00
1905 style Lamp, complete, No. 1	1.25
1905 style Lamp, complete, No. 2 or 3	1.50
1906 Automatic Moisture Lamp, complete—	
No. 0 or 1	2.25
No. 2 or 3	2.75
Regulator, complete	5.50
Thermometer (tested)	Postpaid, 1.00
Wicks, No. 1 or 2	Postpaid, 3 for 10; dozen, .25

Write us for prices on other extras.

Extras not marked postpaid must go by express or freight at buyer's expense.

Portland Seed Co.'s High Grade Poultry Foods



Portland Seed Co.'s Diamond Brand Chick Feed

Each year brings a greater demand for our Chick Feed. When we first put our Chick Feed on the market there were no others to be found on this Coast. Now there are dozens of brands of "so-called" Chick Foods, but beware of substitutes. These are dangerous and unprofitable to feed—buy the original, reliable and scientifically prepared "Diamond Brand" Chick Feed, and raise 95 per cent of your chicks. By using Diamond Chick Feed you are giving the chicks just what nature intended they should have, a food composed of grains (cracked), small seeds, grit, bone, dried sweet meats (to take the place of insects and bugs), charcoal, etc., etc., mixed in the right proportion to produce a quick and profitable growth without loss. You can raise so many more chicks by feeding it, that it is the cheapest feed you can buy. Ask for descriptive pamphlet. Directions for feeding with each sack or package.

Prices: 5 lbs., 25c.; 12 lbs., 50c.; 25 lbs., 90c.; 50 lbs., \$1.60; 100 lbs., \$3.00.

Portland Seed Co.

I hatched 1642 chicks since March 10, and raised 1601, and firmly believe my success is due to your "Diamond Brand" Chick Feed.

Chas. Leiner, Hillsdale, Or.



Portland Seed Co.'s DIAMOND MASH.

There is no food equal to our "Diamond Brand" Chick Feed on which to start young chicks, and we do not recommend anything else, but to fill a demand for a soft food or mash to feed the chicks after they are six or eight weeks old, and for grown fowls, we have prepared this food. It is a complete food ground and ready to mix with water, hot or cold, according to the season. It contains all the ingredients necessary to promote a quick growth, to produce eggs and to keep the birds in good condition, summer and winter. Random and haphazard feeding is no longer profitable. Try this food and be convinced. We have thoroughly studied the subject of food for fowls, and know this mash will give you the desired results. It is no more trouble to feed than a bucket of ordinary food, which is very often as good as wasted, as the results are not generally satisfactory. To be successful you should make every pound of feed show results. Diamond Mash costs only a little more than wheat or corn, and is of twice the value. Try it.

Price: 25-lb. sk., 75c.; 50-lb. sk., \$1.35; 100-lb. sk., \$2.50.

SWIFT'S HIGH-GRADE BEEF SCRAPS.

Steel cut, clean and free from dust, hide, hair, etc. There is no waste (as it is not ground up). It can be fed like grain if preferred. Every poultry keeper knows the value of this food.

Price: 5 lbs., 25c.; 50 lbs., \$2.00; 100 lbs., \$3.50.

SWIFT'S HIGH-GRADE MEAT MEAL.

A highly concentrated food. It is cooked meat, dried and ground. Very rich in protein. It should be mixed with the soft food. No hides or tankage in our meat meal, but, as its name implies, meat, cooked, dried and ground; unexcelled for egg production. We do not sell the \$2.00 grade any more.

Price: 10 lbs., 40c.; 100 lbs., \$3.00.

BLOOD MEAL.

The most highly concentrated egg producer on the market. To be fed in soft food. Unexcelled as a food for forcing growth of chicks or as an egg food. Price: 1 lb., 10c.; 10 lbs., 60c.; 100 lbs., \$3.50.

OYSTER SHELLS, CRUSHED.

We offer nice, clean stock, free from dust and waste. These should be within reach of your hens at all times. In two sizes, coarse and fine.

Diamond Brand. Price: 5 lbs., 10c.; 100 lbs., \$1.50.
Western. Price: 5 lbs., 10c.; 100 lbs., \$1.35.

CLAM SHELLS, CRUSHED.

Used the same as oyster shells; harder and sharper.

Price: 5 lbs., 10c.; 100 lbs., \$1.50.

CLOVER MEAL.

The best substitute for green food for winter feeding; helps keep the egg basket full; mixed with the soft feed is good for large or small chicks; endorsed by leading experts.

Price: 10 lbs., 50c.; 100 lbs., \$4.00.

GRANULATED BONE.

Our "Diamond Brand" is made from selected hard, white, raw bones, and of a superior quality; an indispensable food for laying hens.

Diamond Brand. Price: 10 lbs., 25c.; 100 lbs., \$2.00.
Ordinary stock. Price: 100 lbs., \$1.75.

DIAMOND GRANITE CRYSTAL GRIT.

Every poultry raiser should keep a supply of this grit in each pen. Made in two sizes, chick and hen size. We always send hen size unless otherwise ordered.

Price: 5 lbs., 10c.; 100 lbs., \$1.50.

STANDARD POULTRY GRIT.

Not equal to Crystal Grit. 100 lbs., \$1.00.

CHARCOAL.

Our Charcoal is granulated, prepared especially for poultry; no dust; a good thing for bowel trouble, sour crop and indigestion; a health preserver.

Price: 1 lb., 10c.; postpaid, 25c.

TOBACCO DUST.

For use in dust baths and nests. A cheap and effective exterminator of lice.

Price: 1 lb., 10c.; postpaid, 25c.

Thoroughbred Poultry and Eggs for Setting

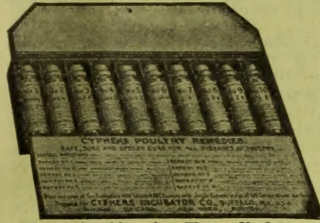
We can almost always supply any of the leading birds or eggs either from the yards of our employees or from other reliable poultry keepers. We are in close touch with hundreds and can give you full value for money invested. If you are in the market, write us stating just what you want and how many, and we will be pleased to quote you price.

Note—Our regular customers are requested to list surplus stock and eggs with us.

Poultry and Stock Foods, Remedies, Etc.

When you order goods by freight add a package or two of these remedies; the charges will be no more and you will have them on hand when needed. Full directions on each package. Remember, not postpaid at following prices unless so stated.

Cyphers Poultry Medicines



Cyphers Poultry Remedies represent an armament sufficiently complete for combating all the common diseases of poultry and checking at the start any threatened epidemic. Complete directions for use attached to the lid of each case, and are printed on the label of each vial. These remedies are in tablet form, and given by dissolving them in the drinking water.

Price, 40c. vial, postpaid.

Remedy No. 1. Useful in all catarrhal colds of poultry having rattling in the throat.

Remedy No. 2. For sudden colds with snuffles, water discharge from eyes and nostrils, and much sneezing. Prevents and cures roup.

Remedy No. 3. Cures chronic catarrhal colds which are accompanied by a hard, croupy cough.

Remedy No. 4. Reliable cure for cholera and diarrhoea.

Remedy No. 5. Cures diphtheritic roup, and all forms of canker.

Remedy No. 9. Useful to get rid of worms and other intestinal parasites.

Remedy No. 10. For the cure of the disorders of egg organs, which cause soft-shelled and blood streaked eggs.

Prices: Single vials, mailed in strong, especially prepared mailing tubes, each, 40c.

Remedy No. 6. For all forms of indigestion and liver diseases, sour crop, loss of appetite.

Remedy No. 7. Valuable in eye diseases of poultry, accompanied by the swelling of one eye, with a collection of yellow matter under the lids.

Remedy No. 8. For rheumatism and cramps in fowls or chicks.

International Stock and Poultry Food, Remedies, Etc.



**We are Pacific
Coast Agents**



Every package of International is guaranteed to fulfill every claim made for it or your money back for the asking. We sell International on its merits. You are the judge. Full directions on each package.

FOR POULTRY.

International Poultry Food. Increases egg production; makes chickens grow and keeps them in perfect health.

Pkgs., 25c., 50c. and \$1.00; 25-lb. pail, \$3.50.

International Louse Killer. Will quickly kill lice, fleas, etc., and not hurt the poultry. A large package for little money and fully guaranteed.

Pkg., 25c.; postpaid, 40c.

International Lice Paint. One of the best liquid lice killers on the market.

35c. and 60c. cans.

International Scaly Leg Ointment.

Box, 25c., postpaid.

International Cresul. A strong and powerful germicide and disinfectant. A few drops in the drinking water from time to time will keep the birds in healthy condition.

Per pint can, 25c.

International Aseptin. A sure cure for bumble foot, open wounds, etc.

Per box, 25c., postpaid.

International Roup Cure. A guaranteed cure.

Per box, 50c., postpaid.

International Rheumatism Oil. A very penetrating and excellent preparation especially fitted for the feathered tribe.

Per bottle, 25c.

International Sudal. To use with above remedy in chronic cases.

Per box, 25c., postpaid.

International Cholera Cure. For the prevention and cure of cholera in fowls, it has no superior.

Per bottle, 25c.

International Worm Pills. Per box, 50c., postpaid.

International Bowel Trouble Remedy. For poultry.

Per box, 50c., postpaid.

FOR STOCK.

International Stock Food. Makes and keeps cattle vigorous, strong and healthy. Three feeds for 1c. Every pound sold on a positive guarantee to show results or money refunded. The best stock food on the market today.

Pkgs., 25c., 50c. and \$1.00; 25-lb. pail, \$3.50.

International Heave Cure. A guaranteed cure for heaves, asthma, broken wind, coughs, etc.

Pkg., 50c.; postpaid, 60c.

International Gall Cure. Your money refunded if it fails to cure galls, sore shoulders, necks or backs, cut or bruised heels, etc.

Box, 25c. and 50c., postpaid.

International Worm Powder. Safe to use; quick and sure in results.

Pkg., 50c.; postpaid, 60c.

International Pheno-Cholro. A reliable and low-priced disinfectant, antiseptic and germicide for use anywhere. A 50c. can makes 25 gallons ready for use.

25c., 50c. and \$1.00 cans.

International Harness Dressing. A combined soap and oil dressing. Makes old harness look like new. Does not rub or wash off.

Price: 25c.; postpaid, 40c.; large can, 50c.

International Honey Tar Foot Remedy. The best thing on the market for sore or tender feet, nail wounds, thrush, corns, quarter cracks and contracted feet.

50c. and \$1.00 cans.

International Colic Cure. A quick, sure cure for any kind of colic. Fully guaranteed. 50c. and \$1.00.

International Silver Pine Oil. A wonderful cure for barbed wire cuts, sprains, kicks, bruises, inflammation, etc. Purifying and soothing.

25c., 50c. and \$1.00.

\$10.00 Book Free

International Stock Food Company published a 150-page book which they claim originally cost them \$3,000. This book is finely illustrated and contains cuts and descriptions of nearly every breed of horses, cattle, sheep, hogs and poultry. It also contains a large amount of information valuable to farmers and poultry keepers. It will be sent free of charge with your first order for International, or by mail, postpaid, upon receipt of 5c. to cover postage. Descriptive booklets and free pamphlets on request.

Avenarius Carbolineum

The famous German wood preserver and insecticide. Paint or spray your chicken houses, hog pens, stables, sheds, etc., with Avenarius Carbolineum, to permanently destroy all poultry and other vermin and preserve your buildings from rot and decay.

Quart can, 40c.; gal., \$1.25; 5-gal. cans, \$6.00.

Lambert's Lice Remedies

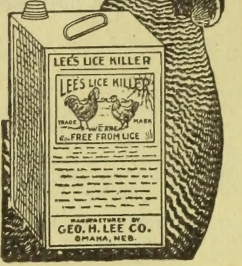
Death to Lice. 5 oz., 10c.; by mail, 17c.; 15 oz., 25c.; by mail, 40c.; 48 oz., 50c.; by mail, \$1.10; 100 oz., \$1.00.

Death to Lice—Special. Dissolve in kerosene. 4 oz., 10c.; 16 oz., 25c.; 1c. per oz. extra for postage.

Death to Lice Ointment. For lice on chicks, scaly shanks on fowls of any kind.

1 oz., 10c., postpaid; 3 oz., 25c., postpaid.

FOR
CHICKENS
AND HOGS



Geo. H. Lee's Foods, Remedies, Etc.

Geo. H. Lee's Foods and Remedies are too well known to need much description. Wherever they have been used, they have made friends. From time to time Mr. Lee issues valuable booklets which we will gladly mail to any one desiring them. The latest books, "A Thousand Dollar Egg," and "Mandy's Poultry School," etc., are well worth reading. If interested, write for copies. We are his agents for Oregon and Washington and buy his goods by the carload.

Lee's Lice Killer. The best liquid on the market for killing lice, mites and other vermin on poultry.

Qt., 35c.; 1/2 gal., 60c.; gal., \$1.00; 5 gals., \$4.00.

Lee's Best Conditioner Stock Food. Promotes good health, digestion and assimilation.

Put up in 25c. and 50c. pkgs.; 25-lb. pails, \$2.50.

Lee's Egg Maker. It will make hens lay, chicks grow, and keep them all in healthy, vigorous condition.

2 1/2-lb. pkg., 25c.; 25-lb. pail, \$2.00.

Lee's Hog Remedy cures all diseases of hogs and keeps them healthy.

Pkg., 75c.; 25-lb. pail, \$2.00.

Lee's Worm Powder for horses, cattle, sheep and hogs; safe and sure in results.

Pkg., 25c.; by mail, 40c.

Lee's Mixed Stock Salt. Every breeder should have a supply of this salt.

25-lb. sack, \$1.25; 100 lbs., \$4.00.

Lee's Carbolic Sheep Dip. For lice, ticks, mange, itch or scab, on cattle, sheep and hogs.

Qts., 50c.; 1/2 gal., 75c.; gal., \$1.25; 5 gal., \$4.50.

Lee's Peerless Gopher Killer. For killing gophers, squirrels, etc. Sure death.

Qt. can, 75c.

Lee's Germozone—Liquid.

12-oz. bottle, 50c.

Lee's Germozone—Tablets.

Pkg., postpaid, 50c.

Lee's Peerless Bug Killer.

12-oz. bottle, 25c.

Lee's Hickory Smoke Extract.

12 oz., 35c.; 32 oz., 75c.

Prussian Remedy Co.'s Preparations

Prussian Stock Food. One of the best foods on the market.

3-lb. pkg., 150 feeds, 50c.; 7-lb. pkg., 350 feeds, \$1.00; 25-lb. pail, 1200 feeds, \$3.50.

Prussian Lice Powder. You dust it on. Does its work thoroughly.

Per can, 25c. and 50c.; 25c. pkg., postpaid, 40c.

Prussian Poultry Food. Prevents and cures diseases, such as cholera, roup, etc. Helps hens lay and chicks grow.

Per pkg., 25c. and 50c.; 25-lb. pail, \$3.00; 25c. package, postpaid, 40c.

Prussian Lice Killer (Liquid). Will quickly rid your poultry of lice, mites and other vermin.

Per can, 50c. and \$1.00.

Prussian Heave Powders. A guaranteed cure for heaves, coughs, colds and lung fever.

Per pkg., 50c.; postpaid, 60c.

Prussian Veterinary Cureline Salve. Quickly cures barbed wire cuts, wounds, sore shoulder. No scar.

Box, 25c. and 50c.; 25c. can postpaid, 30c.

Prussian Spavin Cure. Cures spavin, ringbone, etc., without blistering.

Per bottle, \$1.00.

Prussian Blister. For general use where a blister is needed.

Per box, postpaid, 50c.

Prussian Colic Killer. Kills colic or belly-ache in horses and cattle. Gives relief in 20 minutes.

Per bottle, 50c. and \$1.00.

Prussian Horse Liniment. A superior liniment for general use.

Per bottle, 25c. and 50c.

Prussian Barbed Wire Liniment. Cures wire cuts and all wounds.

Price, 50c.

Prussian Knapo-Curo. The greatest disinfectant known; good dog wash.

Qt. can, 50c.; 1/2 gal., \$1.00.

Prussian Sheep Dip. Cures scab; kills ticks.

Qt. can, 50c.; 1/2 gal., \$1.00; gal., \$1.50.

Prussian Hoof Packing.

25c. and 50c.

Prussian Fly Knocker. Keeps flies off.

50c. and \$1.00.

Prussian Hog Worm Powders.

Pkg., 75c.; pail, \$2.50.

Prussian Calf Food.

Pail, \$1.50.

A Valuable Book Free. The Prussian Company have issued a very fine, 130-page book entitled "Farmer's and Stockman's Hand Book." It tells all about care and treatment of stock and gives poultry keepers good pointers; finely illustrated—free on request.

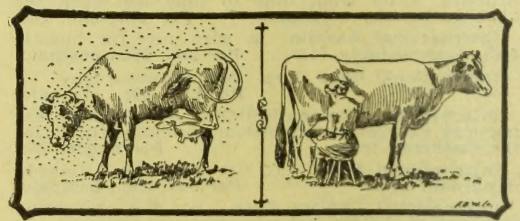
Fly Sprays

"Knocks the Flies"

So-Bos-So Kilfly. Use Child's "So-Bos-So-Kilfly" on your stock. It means money in your pocket, for cows give one-third more milk and horses do better, and on less feed when protected from flies. It requires only a few seconds to apply it; it costs less than 1/2c. a day per head. You cannot afford to be without it. Apply with cloth, sponge or hand sprayers listed on pages 85 and 86. Write today for 20-page booklet.

Put up in 1-gallon sealed cans only, price \$1.50.

Order a can with your other goods and be ready for the flies when they come.



Before.

After.

Lee's Flyo-Curo. We sell thousands of cans of this fly spray every season, and it gives good satisfaction.

Qt., 50c.; 1/2 gal., 75c.; gal., \$1.25.

"Black Leaf" Sheep Dip

We buy it in carload lots.

Has much the best standing and by far the largest sale of any proprietary dip on the United States market. The "Black Leaf" Dip contains more Nicotine, Oils and Gums of Tobacco than that of any competing preparation on the market. It is therefore bound to produce better results. In addition, it is economical and is harmless to sheep and wool. It is exactly the dip you want. Send for 16-page descriptive booklet containing valuable information on sheep dip and mode of dipping.

Per gal., \$1.30; 5-gal. can, \$5.75.

Miscellaneous Preparations

Conkey's Roup Cure. For roup and canker in poultry and pigeons.

Price, 50c., postpaid.

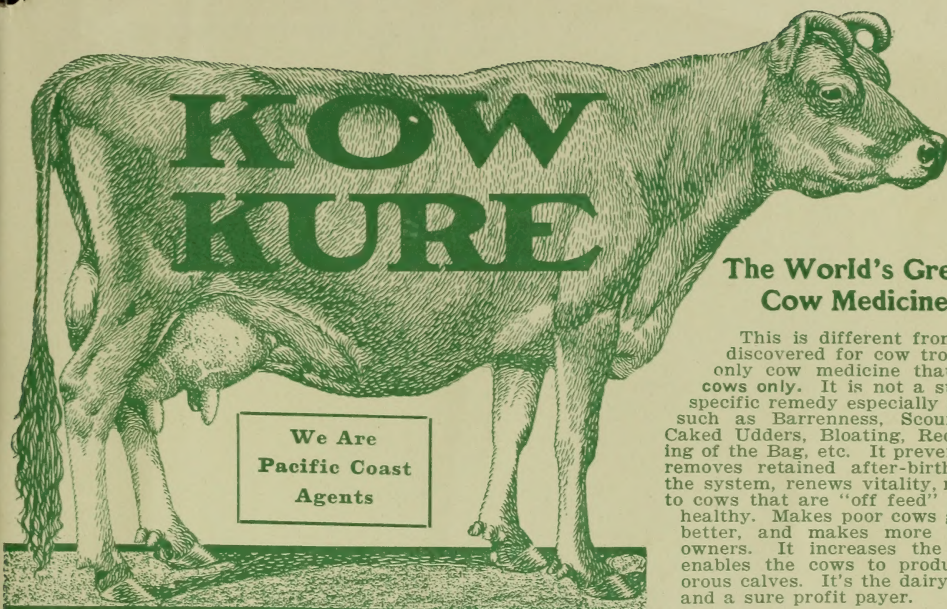
Harding's Six-Hour Lice Killer. Just what you want for lice on little chicks, setting fowls, etc. Sold under a positive guarantee.

18-oz. pkg., 25c.; postpaid, 40c.

Free Premiums

Each year we offer some premiums and this season we are giving away free packages of Stock and Poultry Foods, Remedies, etc. See premiums inside front cover.

When you order goods by freight add a package or two of these remedies; the charges will be no more and you will have them on hand when needed.



We Are
Pacific Coast
Agents

Send for copy
of new book
"The Cost of
a Lost Cow"
It will tell
you how to
practically
realize a
profit of over
\$50 per year
on each of
your cows.
Sent free to
any address.

The World's Greatest Cow Medicine

This is different from anything ever discovered for cow troubles. It is the only cow medicine that is strictly for cows only. It is not a stock food, but a specific remedy especially for cow diseases such as Barrenness, Scours, Milk Fever, Caked Udders, Bloating, Red Water, Swelling of the Bag, etc. It prevents abortion and removes retained after-birth. It tones up the system, renews vitality, restores appetite to cows that are "off feed" and keeps them healthy. Makes poor cows good; good cows better, and makes more money for cow owners. It increases the milk flow and enables the cows to produce strong, vigorous calves. It's the dairyman's gold mine and a sure profit payer.

Kow-Kure.

Bag Balm. A soothing, penetrating ointment for all affections of the bag. 50c. packages.

Grange Garget Cure. An unsurpassed and positive cure. 50c. cans.

Horse Comfort. For wire cuts and all flesh wounds. 25c. and 50c. bottles.

American Horse Tonic. A general improver for horses. 50c. boxes.

REFERENCE TABLES

Number of plants or trees to the acre at given distances.

Distance apart.	No. Plants.	Distance apart.	No. Plants.	Distance apart.	No. Plants.	Distance apart.	No. Plants.
12x1 in.....	522,720	24x24 in.....	10,890	36x36 in.....	4,840	60x60 in.....	1,743
12x3 in.....	174,240	30x1 in.....	209,088	42x12 in.....	12,446	8x1 ft.....	5,445
12x12 in.....	43,560	30x6 in.....	34,848	42x24 in.....	6,223	8x3 ft.....	1,815
16x1 in.....	392,040	30x12 in.....	17,424	42x36 in.....	4,468	8x8 ft.....	680
18x1 in.....	348,480	30x16 in.....	13,068	48x12 in.....	10,890	10x1 ft.....	4,356
18x3 in.....	116,160	30x20 in.....	10,454	48x18 in.....	7,790	10x6 ft.....	726
18x12 in.....	29,040	30x24 in.....	8,712	48x24 in.....	5,445	10x10 ft.....	435
18x18 in.....	19,360	30x30 in.....	6,970	48x30 in.....	4,356	12x1 ft.....	3,630
20x1 in.....	313,635	36x3 in.....	58,080	48x36 in.....	3,630	12x5 ft.....	736
20x20 in.....	15,681	36x12 in.....	14,520	48x48 in.....	2,723	12x12 ft.....	302
24x1 in.....	261,360	36x18 in.....	9,680	60x36 in.....	2,901	16x1 ft.....	2,722
24x18 in.....	15,520	36x24 in.....	7,260	60x48 in.....	2,178	16x16 ft.....	170

Weight of Various Articles.

	Per bushel.
Barley	48 lbs.
Beans	60 lbs.
Buckwheat	48 lbs.
Blue Grass—	
Kentucky	14 lbs.
English	24 lbs.
Canary Seed	60 lbs.
Cheat	34 lbs.
Clover Seed	60 lbs.
Corn-wheat	60 lbs.
Corn, Shelled	56 lbs.
Charcoal	22 lbs.
Flax Seed	56 lbs.
Grass Seeds (unless otherwise stated)	14 lbs.
Hemp Seed	44 lbs.
Hungarian	48 lbs.
Lawn Grass	20 lbs.
Meadow Fescue	24 lbs.
Millet	48 lbs.
Oats	32 lbs.
Onion Sets	32 lbs.
Orchard Grass	14 lbs.
Peach Pits	48 lbs.
Peas, Smooth	60 lbs.
Peas, Wrinkled	56 lbs.
Perennial Rye	20 lbs.
Potatoes	60 lbs.
Rape	60 lbs.
Rye	56 lbs.
Red Top	14 lbs.
Solid seed	42 lbs.
Speltz	40 lbs.
Timothy Seed	45 lbs.
Vetches	60 lbs.
Wheat	60 lbs.

Quantity of Seed required to produce a

	Quantity per Acre.
Artichoke, 1 oz. to 500 plants.....	6 oz.
Asparagus, 1 oz. to 800 plants.....	1 lb.
Asparagus Roots	5000 to 10,000
Barley	2 to 2½ bu.
Beans, dwarf, 1 lb. to 100 ft. of drill.....	7 lbs.
Pole, 1 lb. to 100 hills.....	½ ou.
Beet, garden, 1 oz. to 100 ft. drill.....	1 lb.
Mangel, 1 oz. to 75 ft. of drill.....	5 lbs.
Broccoli, 1 oz. to 2000 plants.....	4 oz.
Brussels Sprouts, 1 oz. to 2000 pnts.....	4 oz.
Broom Corn, in drills	15 lbs.
Buckwheat	½ to 1 bu.
Cabbage, 1 oz. to 2000 plants.....	4 oz.
Carrot, ½ oz. to 100 ft. of drill.....	3 lbs.
Carrotflower, 1 oz. to 3000 plants.....	3 oz.
Celery, 1 oz. to 5000 plants.....	4 oz.
Cheat	2 bu.
Chicory	4 lbs.
Clover, Alsike and White.....	6 to 8 lbs.
Alfalfa	15 to 20 lbs.
Crimson Trefoil	10 to 15 lbs.
Red	10 to 12 lbs.
Collards, 1 oz. to 2000 plants	4 oz.
Corn-wheat	2 bu.
Corn, Pop (shelled)	8 to 10 lbs.
Sweet or Field, hills	12 to 20 lbs.
For soiling, drills	2 bu.
Cress, ¾ oz. to 100 ft. of drill.....	1 lb.
Cucumber, 1 oz. to 100 hills.....	2 to 3 lbs.
Egg Plant, 1 oz. to 2000 plants.....	4 oz.
Endive, ¼ oz. to 100 ft. of drill.....	4 lbs.
Flax, broadcast	¾ bu.
Grass, Blue, Kentucky	2 bu.
Meadow Fescue	1 bu.
Mixed Lawn	5 to 6 bu.
Red Top	2 bu.
Solid seed	12 to 15 lbs.
Timothy	12 to 15 lbs.

given number of plants and sow an acre.

	Quantity per Acre.
Orchard, Perennial Rye, Red Top, Fowl Meadow, Wood Meadow.....	2 bu.
Horse Radish Roots.....	10,000 to 15,000
Kale, 1 oz. to 5000 plants.....	4 oz.
Kaffir Corn, in drills	6 to 8 lbs.
Kohl Rabi, 1 oz. to 100 ft. of drill.....	4 lbs.
Leek, 1 oz. to 100 ft. of drill.....	4 lbs.
Lettuce, 1 oz. to 150 ft. of drill.....	3 lbs.
Millet, for seed 20 lbs., for hay.....	30 lbs.
Melon, Musk, 2 oz. to 100 hills.....	2 to 3 lbs.
Water, 4 oz. to 100 hills.....	2 to 4 lbs.
Nasturtium, 1 oz. to 20 ft. of drill.....	2 to 3 bu.
Oats	2 to 3 bu.
Okra, 1 oz. to 100 ft. of drill.....	8 lbs.
Onion Seed, for sets	60 to 85 lbs.
1 oz. to 150 ft. of drill.....	4 to 5 lbs.
Onion Sets, 1 qt. to 40 ft. of drill.....	8 bu.
Parsnips, 1 oz. to 150 ft. of drill.....	3 lbs.
Parsley, 1 oz. to 150 ft. of drill.....	3 lbs.
Peas, Field	2 bu.
Garden, 1 lb. to 100 ft. drill.....	1 to 2 bu.
Pepper, 1 oz. to 1000 plants.....	100 lbs.
Pumpkin, ½ lb. to 100 hills.....	3 to 4 lbs.
Radish, 1 oz. to 100 ft. of drill.....	10 lbs.
Rape	3 to 5 lbs.
Rye	1½ to 2 bu.
Salsify, 1 oz. to 100 ft. of drill.....	6 lbs.
Speltz	100 lbs.
Spinach, 1 oz. to 100 ft. of drill.....	8 lbs.
Sugar Cane, in drills	10 lbs.
Sunflower	8 lbs.
Squash, Summer, 4 oz. to 100 hills.....	3 lbs.
Winter, 8 oz. to 100 hills.....	4 lbs.
Tomato, 1 oz. to 2000 plants.....	4 oz.
Tobacco, 1 oz. to 4000 plants.....	3 oz.
Turnip, 1 oz. to 150 ft. of drill.....	2 to 3 lbs.
Vetches	2 bu.
With grain	1 bu.
Wheat	1½ to 2 bu.

**SALEM'S GREATEST
SEED STORE**



CACTUS DAHLIA—See Pages 76 and 77

**FLETCHER & BYRD
SALEM, OREGON**